Blissymbol Reference Guide Supplement

BLISSYMBOLICS COMMUNICATION INTERNATIONAL

DEVELOPED BY

Blissymbolics International Panel

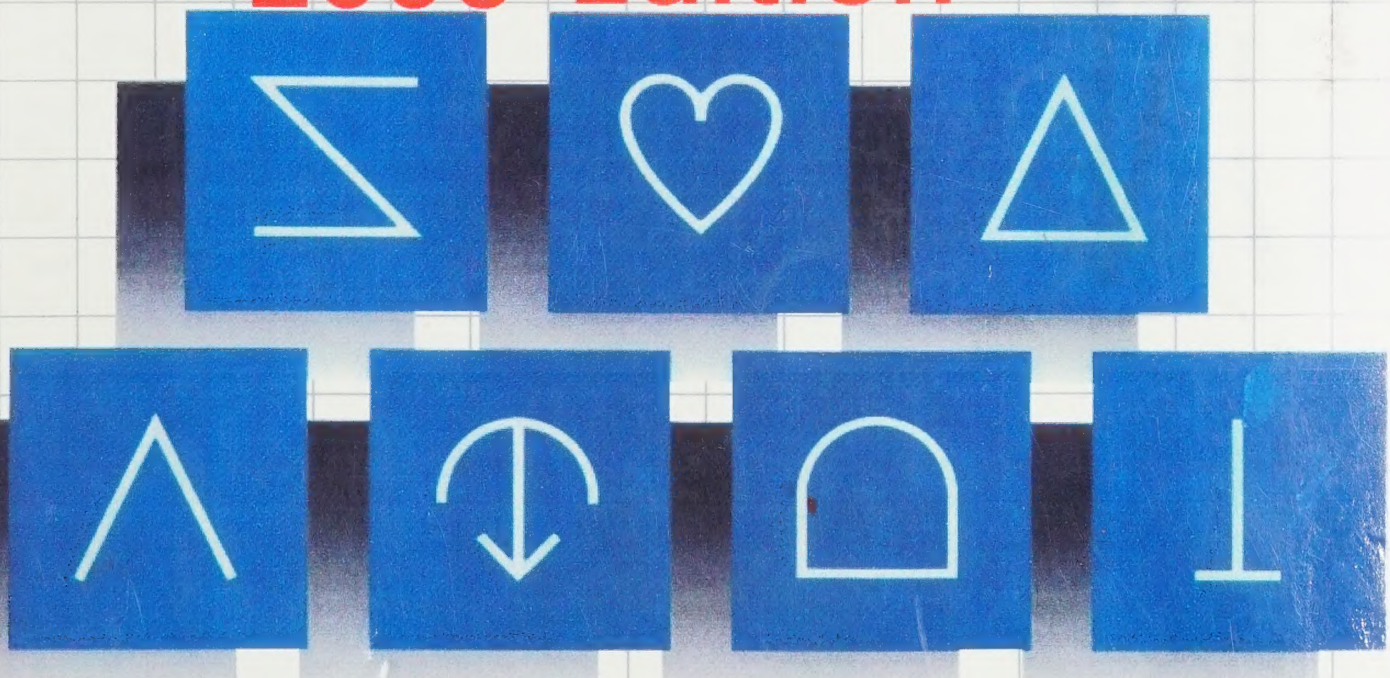
CO-ORDINATED BY

Blissymbolics International Secretariat

Over 1200 Additional Bliss-Words

DRAFT

2006 Edition



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Bliss Learning Centre
705-762-0028
www.blissymbols.org

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NOTE TO READER

(SEPTEMBER, 2006)

All of the Blisswords in this new **2006 Blissymbol Reference Guide Supplement** have been formally checked and approved by the various symbol approval mechanisms of *Blissymbolics Communication International*. This particular version however contains 13 symbols where the most appropriate gloss in English is still in question. In most cases, it is an issue that, for some Bliss words, the most appropriate gloss depends on which English speaking country it is used in. For example, the gloss chosen for the concept of putting cutlery and dishes on a table in preparation for a meal was translated as "*laying a table*". This is the common term in the UK. A more common translation in North America would be "*setting a table*". These alternative translations were added during the construction of the Supplement and so have not been formally approved by the approval committees of BCI. In these instances, the concept is flagged by three '*'s (i.e. '***') to alert the reader that the gloss has yet to be finally adjudicated.

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The front cover of the **Supplement to the Blissymbol Reference Guide** shows the following symbols from the top left:

Blissymbolics, feeling, creation, Action (The), idea, knowledge and **person**.

Original front cover design: Jack Steiner Graphic Design
Supplement cover design: Madeline Wang

Printed in Canada

Blissymbols used herein derived from the symbols described in the work, **Semantography** , original copyright © C. K. Bliss 1949.

In September, 1982, C. K. Bliss granted an exclusive, non-cancelable, and perpetual world-wide license to the Blissymbolics Communication Institute (now Blissymbolics Communication International) for the application of Blissymbols, for use by handicapped persons and persons having communication, language, and learning difficulties.

Dedication

We dedicate this book to

augmentative communicators around the world who have benefited by using Blissymbols to express themselves

and to

their instructors who have recognized the value of Blissymbolics for teaching and learning.

Acknowledgements

The Board of Directors of Blissymbolics International are deeply appreciative of the work undertaken by so many that has made the publication of this **Supplement** to the **Blissymbol Reference Guide** possible. Our thanks are extended to all members of the *Blissymbolics International Panel*; to the *Blissymbolics International Secretariat* comprised of Britt Ambernston, Kirsten Lorstrom, Margareta Jennische ; to *Monitor and Editor*, Jinny Storr; to *Reviewers*, Trish Bailey and Shirley McNaughton; and to the *Technical Co-ordinator* Peter Lindsay.

As with all Blissymbol undertakings, we pay tribute to Charles Bliss (1897 - 1985), whose original work, *Semantography* (1965), provides the foundation for the work of BCI and its world-wide affiliates. Equally important, we recognize the many users of Blissymbolics. It is they who make the language live and we dedicate this Supplement to them.

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Introduction

Blissymbolics

Blissymbolics is a communication system originally developed by Charles K. Bliss (1897-1985) for the purpose of international communication. It was first applied to the communication of children with physical disabilities by an interdisciplinary team at the Ontario Crippled Children's Centre (now the Bloorview MacMillan Centre) in 1971.

Blissymbolics is a language currently composed of over 3,500 graphic symbols. Bliss-characters can be combined and recombined in endless ways to create new symbols. Bliss-words can be sequenced to form many types of sentences, and express many grammatical capabilities. Simple shapes are used to keep the symbols easy and fast to draw. Because both abstract and concrete levels of concepts can be represented, Blissymbolics can be applied both to children and adults and is appropriate for persons with a range of intellectual abilities.

For those who have a communication impairment, Blissymbols can be used on simple communication boards mounted on wheelchairs, on dedicated electronic devices with synthetic speech and within computer software. Now that Blissymbol software has been designed to be used with computer mediated communication (CMC), the application of this meaning-based communication system can be expanded to many other populations. Its potential to facilitate global communication using the Internet is boundless.

Blissymbolics Communication International (BCI)

Blissymbolics Communication International (BCI) is a charitable organization that has the perpetual, worldwide, exclusive licence from C.K. Bliss (1975, 1982) for the use and publication of Blissymbols for persons with communication, language and learning difficulties. Since its incorporation in 1975, BCI has undertaken supporting Blissymbol use through the training of professionals, assistance to Blissymbol users, consultation, publications, technology and software development and projects related to Blissymbol applications. Some professionals associated with BCI have been working with Blissymbolics since the system's first application to children with cerebral palsy in 1971.

The Purpose of the Supplement

The **Supplement** to the **Blissymbol Reference Guide** is intended as an extension of the vocabulary in the **Blissymbol Reference Guide** (B.C.I., 1992). It contains over 1200 new Blisswords. All of the symbols have been through the complete monitoring process required by *Blissymbolics Communication International* and have been formally approved for inclusion in the **Blissymbolics Communication International Authorized Vocabulary** *(BCI-AV)*. The **Supplement** is constructed from the symbols included in the **2004 Blissymbol Reference Guide Supplement** plus over 500 new Blisswords approved since then. The pertinent panel meetings were held in Furuboda in 2002 and in Oxford in 2004.

The inclusion of the *Fundamental Rules* in this document provides the reader with the guiding principles for Bliss vocabulary development. Bliss users and their instructors are encouraged to apply the *Fundamental Rules* in creating new "combined" Blisswords to meet their vocabulary needs. Bliss users are invited to send newly "combined" Blisswords to the *International Secretariat* for evaluation by the *International Panel* toward inclusion in the **BCI Authorized Vocabulary** available worldwide.

How to Use the Supplement

Bliss words can be located by looking up their glosses - English word equivalents- in an alphabetical list.

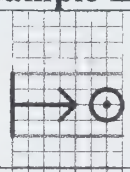
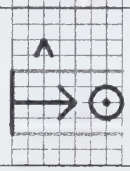
Main Entry Format

Blissymbol (on grid)	• **Most common English word equivalent.** • **Associated word synonym(s), if any.** ( ) shows country of origin if usage unfamiliar or different from usage in North America. [(UK) refers to United Kingdom.] • **Explanation of symbol.** Blissymbol components plus additional information, if required. ( ) shows country of origin if concept would be unfamiliar to North American users.

THE EXPLANATIONS OF RELATED BLISSYMBOLS

Many Blissymbols differ from related Blissymbols only in their use of different indicators. In these cases, the derivation of forms which use indicators often refers to the unmarked form. The indicator is always listed as the last component. Its actual position within the symbol is shown in the Blissymbol itself.

Sample Entries

UNMARKED FORM		**appearance, manifestation** (beginning + to see: coming into view for the first time)
MARKED FORM		**appear (to)** (appearance + action indicator)

THE CLASSIFICATION OF BLISSYMBOLS

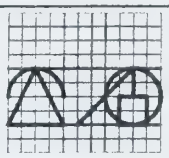
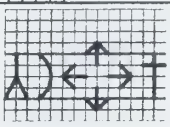
BCI Training publications such as *Communicating with Blissymbolics* (McNaughton, 1985, BCI) and *Blissymbolics Independent Study Guide* (McNaughton, 1985, BCI) classify Blissymbols as pictographic, ideographic, dual classification and arbitrary. The **Supplement** to the **Blissymbol Reference Guide** identifies only pictographic symbols in the symbol explanations.

FINDING SYMBOLS

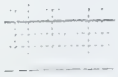
BY

WORD

Conventions Used in this Book

[modified]	The form [modified] appears in the explanations of symbols in which certain components are incomplete.		**biochemistry** (science + chemical product + life [modified]: chemistry of biological substances and processes)
combination of	The form *combination of* appears in explanations of *compound* symbols when symbol components overlap, and some do not appear as complete forms.		**bliss name** (name + Blissymbol: combination of name *and* Blissymbol)
[half-size]	This form appears in symbol explanations when a symbol component has been altered in size.		**cell** (the symbol suggests a cell, with the symbol for to live [half-sized] in it)
[contr.]	This form appears in symbol explanations when a symbol component has been altered in size.		**apostle** (man + past + to disseminate + Christianity [contr.]: one of Christ ´s 12 disciples, whom he chose to preach the gospel)
(UK) (Hebrew)	Words associated with symbols use North American English except where noted.		**sauce pan, milk pan (UK)** (pictograph)
SYNONYM	Whenever two forms for the same meaning occur in the BCI Authorized Vocabulary, each is identified as SYNONYM.		**angel** (person [modified] + wings) SYNONYM
			angel (spirit + supernatural + peace) SYNONYM
2001	These Bliss-words have been updated to be consistent with 2001-approved new Bliss-words. The original forms will remain in the BCI Authorized Vocabulary and can be retained by Bliss users if they so choose. For new products, however, the 2001 version is recommended.		**badminton** (sport + ball + wings) 2001

The Background Grid



All symbols are located in relation to the skyline and the earthline.
Indicators are located above the skyline.

enormous

WORD

	aboard, on board, (inside + vehicle +descr. ind.) Use appropriate specifier.
=	**Abraham** (man + multitude + offspring)
	abstention (decision + without + action: decision to not do something)
	academician (person + body of learning)
	accusation (to speak + opposition)
	accuse (to) (accusation + action ind.)
	a. *act (to), do (to)* **b. *enter (to), (computer)*** (action + action ind.)
	act in favour of (to) (action in favour of + action ind.)
	act in favour of (to), (legal) (to act in favour of + legal [contr.])
	action in favour of (activity + purpose)
	activity centre (building + activity)

WORD

	activity centre for children (activity centre + child)
	activity centre for teenagers (activity centre + teenager)
	acupuncturist (person + hand + linear thing + thing indicator: person who treats illness by puncturing the body with needles)
	Adam (man + first: the first man on earth)
	address (name + place + house) Use appropriate speciifier.
	advocate (person + to advocate)
	advocate (person + action in favour of)
	advocate (legal) (legal person + to advocate)
	advocate (legal) (legal person + to act in favour of)
	advocate (to) (to speak + purpose + act ind.)
	advocate (to), (legal) (to advocate + legal [contr.]+ action ind.)

WORD

	Aegir (Nordic God + sea: the God of the sea)
	Africa (continent + equator)
	after school club, youth club, (activity centre for leisure time)
	all knowing (knowledge + all + description indicator)
	all powerful (ability + all + description indicator)
ALLAH	**Allah** (God + ALLAH)
	altar (table + holy)
	altar cloth (cloth + altar)
	altimeter (gauge + high + thing ind.)
	amen (yes + religion)
2	**ampullae** (two + bottle + holy)

WORD

	ancestor (parent + past)
	anemometer (gauge + wind + thing ind.)
	angel (person [modified] + wings) SYNONYM
	angel (spirit + supernatural + peace) SYNONYM
	angle (measurement + angle)
	Antarctic (continent + South Pole)
	anthropology (science + human being: scientific study of human beings)
	anti virus program (computer program + protection)
	apartment block (many + many + storey)
	apostle (man + past + to disseminate + Christianity [contr.]: one of Christ ´s 12 disciples, whom he chose to preach the gospel)
	appear (to) (appearance + action indicator)

WORD

	appearance, manifestation (beginning + to see: coming into view for the first time)
	appetizer, starter, entrée (food + to start)
	archaeologist (person + archeology)
	archaeology (history + thing: study of physical objects and material evidence from the past)
	archery (sport + bow and arrow)
	archipelago (group of + island)
	architect (designer + building)
	area (measurement + enclosure)
	arrest (to) (to seize + legal [contr.] + action ind.)
	aroma therapist (person + hand + smell: person who gives therapy, based of different scents)
	arrow (arrow + thing indicator)

WORD

	ashore (shore + to go back + descr. ind.)
	Asia (continent + east)
	astrology (knowledge + star + person: knowledge of stars as they relate to human beings)
	astronomer (person + astronomy)
	astronomy (science + star: scientific study of the universe beyond the earth)
	ATB, all terrain bike (bicycle + countryside)
	atheism (without + belief + God: disbelief or denial of existence of God)
	athletics (sport + beginning: the original sports/contests)
	ATM (machine + bank card)
	attach (to) (computer) (attachment + action ind.)
	attached (computer) (attachment + descr. ind.)

WORD

	attachment (computer) (to attach + file)
	attachment, appendix, annex (vertical line + plus + vertical line)
	attic (pictograph + pointer)
	audiologist (therapist + ear [hearing])
	Australia (continent + south + east)
	awful (bad + intensity + description indicator)
	back space (to), (computer) (to delete + backwards)
	badminton (sport + ball + wings) (2001)
	bagel (bun + ring: bun in the shape of a ring)
	baggage, luggage, suitcase (ex.), bag (pictograph)
	baker (person + bread)

WORD

	bakery (store + bread)
	baking tin, baking pan, oven ware (container + oven)
	Balder (Nordic God + light: the God of light and goodness)
	ball pool (enclosure [modified] + many + ball)
	ball sports (sport + ball)
	ballet (action + toe + music)
	balloon (hot air) (pictograph)
	ballooning (sport + hot air balloon)
	bandy (Scandinavia) (sport + stick + ball + ice)
	bank card, money card (card + money)
	bar (pictograph)

WORD

	bar mitzvah (Hebrew) [* caps?]** (religious ceremony + of + man: religious ceremony that recognizes a Jewish boy as a man)
	barge, river boat (freighter + river)
	bark (protection + trunk)
	barometer, manometer (gauge + pressure + air + thing ind.)
	barrow (wagon + garden)
	baseball (sport + ball + baseball diamond + pointer to base) 2001
	basement, cellar (pictograph + pointer)
	basketball (sport + ball + container, placed high in matrix space) 2001
	bat mitzvah (Hebrew) [* CAPS?]** (religious ceremony + of + woman: religious ceremony that recognizes a Jewish girl as a woman)
	batter (mixture + flour [contr.] + much + liquid)

WORD

	be cold (to) (to feel + cold + action ind.)
	beach tennis (sport + racquets + beach) 2001
	beg (to), plead (to) (to ask + comma + please + action indicator)
	Belgium (country + strong + intensity: acc. to Caesar, Belgians were the bravest of all people in the Roman empire)
	belief (feeling + supernatural) SYNONYM
	believer (person + naturalism) SYNONYM
	believer (person + religion) SYNONYM
	Bible (Christian) (holy book + Christian)
	billiards (sport + table + three + ball)
	biochemist (person + biochemistry)
	biochemistry (science + chemical product + life [modified]: chemistry of biological substances and processes)

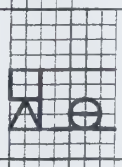
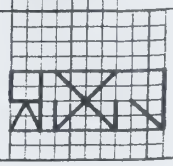
WORD

	biologist (person + biology)
	biology (science + combination of chemical product *and* life: science of living organisms and life processes)
	biology (class) (class [contr.] + biology [contr.])
	bishop (leader + Christian)
	blackberry (compound berry + black)
	bless (to) (to give + peace + action indicator)
	Bliss (class) (class [contr.] + Bliss language)
	Bliss name (name + Blissymbol: combination of name *and* Blissymbol)
	Bliss, Bliss language, Blissymbolics (language + Blissymbol)
	blot (gathering + to sacrifice: ancient Scandinavian gathering to sacrifice to the Nordic Gods)
	board (pictograph) SYNONYM

WORD

	board (to) (to reside + plus + to eat + action ind.)
	boat-house (house + boat)
	boating (sport + boat)
	bob sleigh (sled + big)
	boiled egg (egg + to boil [contr.])
	book shop (store + book)
	boom (sail + pointer to the boom)
	botanist (person + botany)
	botany (science + plant: biological science of plants)
	bottle opener (opener + bottle)
	bow (boat + pointer to the bow)

WORD

	bow and arrow (pictograph)
	**bowling** (sport + ball + ground) 2001
	**boxing** (sport + to fight + hand) 2001

WORD

	brave, courageous (feeling + strong + descr. ind.)
	bricklayer (person + brick)
	brief case (bag + paper)
	brontosaurus (dinosaur + big)
	bronze (metal [contr.] + tin [contr.] + copper [contr.])
	bronze age (past time + bronze [contr.])
	brownie, house elf ("little person" + house)
	bubble wand (thing + sound + colour)
	Buddha (man + Buddhism)
	Buddhism (religion + dharma wheel)
	Buddhist (dharma wheel + descr. ind.)

WORD

	Buddhist (person + buddhist)
	budget (plan + business)
	bun (for food) (pictograph) SYNONYM
	burial (religious ceremony + grave) SYNONYM
	burial (ceremony + grave) SYNONYM
	burial site (place + under [ground])
	bury (to) (burial site + action indicator) SYNONYM
	butcher (person + meat)
	butcher shop (store + meat)
	cacao, cocoa (bitter powder) (flavouring [contr.] + powder + bean + bitter [contr.] + thing indicator)
	cacao cocoa (sweet powder) (flavouring [contr.] + powder + bean + sweet [contr.] + thing indicator)

WORD

	calling, profession, career (work + choice: chosen work)
	calling, vocation (life + choice: chosen way of life)
	can opener (opener + can)
	can, tin, jar (pictograph) (2001)
	candy (pictograph)
	candy bar (bar + sweet)
	candy, sweets (generalization + candy)
	canoe (boat + one + paddle)
	canoeing (sport + boat + one + paddle)
	cap (pictograph)

WORD

	car mechanic (mechanic + car)
	car racing (sport + car)
	car track (track + car)
	card (pictograph)
	card game (play [contr.] + card)
	cardiologist (doctor + heart + thing indicator: physician who diagnoses and treats disorders of the heart)
	care centre (house + protection)
	carriage (cart + big + horse) SYNONYM
	carriage racing (sport + horse + carriage)

WORD

	cartography (body of learning + map)
	cartoon, animated film (film + pencil: film on which images are drawn)
	casserole (food + container + oven: a food baked and served in the container in which it was cooked)
	castle (pictograph) CHANGE
	catamaran, pontoon boat (two + hull)
	causality (mind + cause: to reflect on causes)
	celebration (event + happy + purpose: event to mark a special occasion)
	celebration of life (celebration + life)
	cell (the symbol suggests a cell, with the symbol for to live [half-sized] in it)
	central nervous system (brain + electricity + thing indicator: system consisting of brain and spinal cord which is activated by electrical impulses)
	ceremony (event + plan: event which consists of an act or a set of acts which follow a plan)

WORD

	chain (pictograph)
	chalice (goblet + holy)
	champagne (sparkling wine + intensity)
	charge (to) (to say + quilty + action ind.)
	cheap (price + small + descr. ind.)
	chemist (person + chemistry)
	chemistry (science + chemical product: science of the composition, structure, properties and reactions of matter)
	chemistry (class) (class [contr.] + chemistry [contr.])
	chilly (feeling + cold + descr. ind.)
SA	**chiropodist** (therapist + foot)
	chiropractor (person + hand + joint: person who treats medical disorders by manipulation of the spinal column and other structures)

WORD

	chocolate (flavouring + bean + sweet [contr.] + thing indicator) 2001
	chocolate bar (bar + chocolate [contr.])
	chocolate drink (drink + chocolate [contr.]) 2001
	chocolate hagel [* WHATS A 'HAGEL'?]** (spread + piece + chocolate [contr.])
	chocolate sauce (sauce + chocolate [contr.]) 2001
	chocolate spread (spread + chocolate [contr.]) 2001
	Christian person)(person + Christianity [contr.])
	Christian charity (charity + Christian)
	Christian event (event + Christian [contr.])
	Christian faith (belief + Christian)
	Christian hope (hope + Christian)

WORD

	Christian love (love + Christian)
	Christianity (religion + Christ [contr.]: religion founded on the teachings of Christ)
	Christmas pudding (pudding + Christmas [contr.])
	Christmas tree (tree + Christmas [contr.])
	cider (alcoholic drink + apple)
	cinnamon (flavouring + bark + thing indicator)
	cinnamon (powder) (flavouring [contr.] + powder + cinnamon [contr.] +thing indicator)
	circumcision ceremony (religious ceremony + circumcision: religious procedure performed on male babies)
	civil engineer (designer + bridge)
	class (to learn [contr.]) Used in conjunction with a specifier.
	cleaning cloth (cloth + to remove + dirt)

WORD

	cleaning tool (tool + to remove + dirt)
	clerk, legal aid (helper + legal [contr.])
	clothing shop (store + clothing)
	clown (person + face + colour)
	cockerel, rooster ['rooster' better?]*** (chicken + male)
	cod (fish + pictograph of beard)
	coffin (enclosure [modified] + person (lying down) [modified])
	comedy (play + happy [contr.])
	command (to), order (to) (to say + for the purpose of + action + action indicator: to speak with authority)
	communication therapist (therapist + communication)

WORD

	community centre, town hall, village hall (house + gathering)
	computer (machine + 1 + 0) SYNONYM
	computer game (computer program + to play [contr.])
	computer peripheral (tool + computer)
	computer screen (enclosure + eye + 1 + 0)
	concert (action + music)
	confess (to) (to speak + guilty)
	confirmation (religious ceremony + knowledge)
	conjure (to), turn to (to), transform (to) (wand + action ind.)
	constellation of stars (group of + star)

WORD

	constructional blocks, lego **etc** (block + together)
	constructional toy (toy [contr.] + structure)
	contact sports (sport +to fight)
	continent (part of + earth)
	continental drift (continent + back and forth)
	control tower (tower + airplane)
	conversion (change + belief)
	convert (to) (conversion + action indicator)
	cookie jar, biscuit tin (can + cookie/biscuit)

WORD

	copper (metal [contr.] + pot + past time)
	copy machine, photo copier (machine + copy + paper)
	coral (water creature + plant)
	coral reef (many + many + coral)
	cordless phone (telephone + back and forth)
	cork screw (kitchen tool + screw)
	corn syrup (flavouring [contr.] + liquid + corn + thing indicator)
	corpse, cadaver (body + dead)
	correctness, accuracy (mind + positive)
	corridor, hall (room + long)
	cottage cheese (cheese + lump)

WORD

	cotton (material + flower + pointer + cloth: textile fibre made from the boll of the cotton plant)
	cotton fabric (cloth + flower + pointer: fabric woven from cotton fibre [contr.])
	count (measurement + number)
	court, court house (building + The Law [contr.]
	court, courtroom (public room + The Law [contr.]
	coward (person + cowardly + descr. ind.)
	cowardly (minus + brave + descr. ind)
	crab, shellfish with claws (pictograph)
	crayfish (shellfish with claws + small)
	cremate (to) (cremation + action indicator)

WORD

	cremation (fire + a dead person [contr.])
	cricket (sport + ball + wicket)
	croquet (sport + ball + mallet) 2001
	cross (cross + thing indicator) 2001
	cross country skiing (sport + skis + forward)
	crown (pictograph) 2001
	cruise ship (boat + person + to travel)
	culture (view of life + group: view of life shared by a group of people)
	cup (pictograph)
	cupcake, fancy cake (muffin + intensity)
	curling (sport + disc + broom + ice)

WORD

	currency (money + country)
	curry (flavouring + mixture + hot [modified] + thing indicator)
	curry (powder) (flavouring [contr.] + powder + mixture + hot [modified] + thing indicator)
	curry sauce (sauce + mixture + hot [modified])
	cut (to), (computer) (to carry [modified] + 1 + 0)
	cycle (to), ride a bike (to) (bicycle + action indicator)
	cycling (sport + bicycle)
	cycling helmet (helmet + bicycle)
	dance therapist (therapist + dance)
	dare (to) (brave + activity + action ind.)
	dart (arrow + small + thing indicator)

WORD

	darts (sport + dart + thing indicator)
	data, digital, computer information (information + 1 + 0)
	day and night (24 + hour)
	day care centre (care centre + day)
	day centre (activity centre + day)
	dead person (person + dead)
	deck (boat + pointer to the deck)
	decorated cake, fancy cake (cake + intensity)
	deep fat fryer (pot + oil + electricity)

WORD

	defence (activity + protection)
	defence (to speak + to protect)
	defence (legal) (to defend + legal [contr.])
	defend (to) (defence + action ind.)
	defend (to), (legal) (to speak + to defend + legal [contr.] + action ind.)
	defend (to), (legal) (defence + legal [contr.])
	defender (person + to defend)
	deflation (value + money + plus: money will be worth more)
	delete (to), (computer) (to delete + forward + action ind.)
	demand (to) (to say + to want + intensity + action indicator: to speak or ask with urgency)

WORD

	demonstrate (against) (to) (demonstration against + action ind.)
	demonstration (against) (activity + opposition)
	department store (store + many + part)
	desert (earth + without + water)
	designer (general), planner (person + design)
	desktop computer (computer + table top)
	detach (to), take apart (to) (vertical line + minus + vertical line + action ind.)
	devil (person [modified] + horns) SYNONYM
	devil (spirit + supernatural + bad + intensity: very bad supernatural spirit) SYNONYM

WORD

	dharma wheel (the wheel is used as a symbol in Buddhism)
	diced meat, chunks of meat (meat + piece: meat cut into small pieces)
	digital memory (mind + 1 + 0)
	dinosaur (pictograph)
	disappear (to) (disappearance + action indicator)
	disappearance (ending + to see)
	discount (price + minus)
	discount sale (event + discount)
	discount store (combination of store *and* discount)
	discus (sport + disc)

WORD

	disembark (to) (to exit + vehicle + action ind.)
	disgusting (taste) (not tasty + one intensity character+ description indicator)
	dish gloves, rubber gloves (protection + hand + water)
	disperse (to), disseminate (to), scatter (to) (four arrows [modified], pointing outward from each other, i.e. spreading out + action indicator)
	a. ***do (to), act (to)*** **b.** ***enter (to), (computer)*** (action + action ind.)
	distance (measurement + far)
	divine, holy (God + description indicator)
	diving (sport + to jump + water))
	document (paper + pen)
	dog sled (sled + dog)
	dog sled sport (sport + dog sled)

WORD

	dolphin, porpoise (ex.), (pictograph) : water creature with tail)
	dough (mixture + flour [contr.] + liquid)
	doughnut (muffin + ring: muffin in the shape of a ring)
	downhill skiing (sport + skis + downward/forward)
	drama (play + up and down: play portraying conflicting emotions and upsetting events)
	dressage (sport + horse + plan)
	drown (to) (to die + water + action indicator)
	drown (to), cause to drown (to) (to cause + to drown + action indicator)
	drugstore, pharmacy (store + medical)
	dumpling (food + bun + ball: bun-like food shaped into a ball)

WORD

	dwarf "little person" (make-believe person + little)
	dwarf, gnome ("little person" + beard)
	earthquake (earth + to shake + intensity)
	Eastern Orthodox Church (Christianity + east: group of churches, including Greek and Russian Orthodox)
	eaves (roof + pointer + thing ind.)
	economics (science + business: science that deals with the production, distribution and consumption of commodities)
	economics (class) (class [contr.] + business)
	economist (person + economics)
	elbow pad (protection + intensity + elbow)
	electric kettle (kettle with spout + electricity)
	electric pan (pan + electricity)

WORD

	electrical engineer (designer + electricity)
	electricity meter (gauge + electricity + thing ind.)
	elementary school, primary school (school [contr.] + child) Use appropriate specifier.
	elf ("little person" + star) SYNONYM
	elf ("little person" + fog) SYNONYM
	e-mail (letter + 1 + 0)
	e-mail address (name + place + e-mail)
	embark (to), board (to) (to enter + vehicle + action ind.)
	England (country + rose)

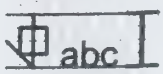
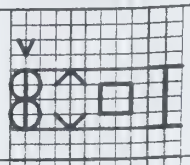
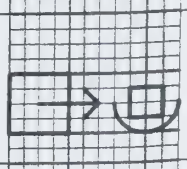
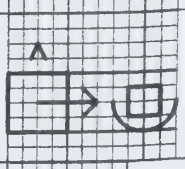
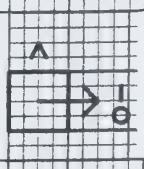
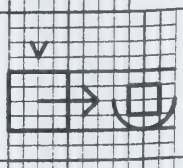
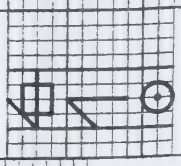
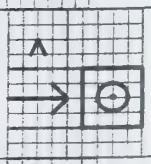
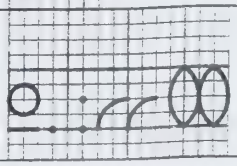
WORD

	English (language + England [contr.])
	English (class) (class [contr.] + English)
	enormous (big + two intensity characters+ description indicator)
	enter (computer) (pictograph: looks like the enter symbol on a computer keyboard)
	equator (earth + pointer to the equator)
	equestrian sports (sport + horse)
	eternal (time + infinite + description indicator)
	eternal life, immortality (life + without + end) 2001
	Euro (international symbol for Euro)
	Europe (continent + north)
	evangelise (to) (to disseminate + news + positive + action indicator) SYNONYM

WORD

	evangelise (to) (Christian) (to disseminate + news + positive + Christianity [contr.] + action indicator) SYNONYM
	Eve (woman + first: the first woman on earth)
	evidence (fact + legal [contr.])
	excellence (correctness + one intensity character)
	excellent (excellence + descriptive indicator)

WORD

	***expanded keyboard (computer)*** (keyboard + big)
	***expensive*** (price + big + descr. ind.)
	***export*** (to exit + contents)
	***export (to)*** (export + action ind.)
	***export (to) (computer)*** (to exit + 1+ 0 + action ind.)
	***exported*** (export + descr. ind.)
	***eye mouse, eye gaze*** (pointing device + eye)
	fairy, fairy godmother (make-believe woman + wand)
	***fall asleep (to)*** (to go + asleep + action ind.)
	family (couple + star, representing a child or children) SYNONYM
	**farfalle** (pasta + butterfly)

WORD

	fashion designer (designer + clothes)
	fast (decision + without + food: decision to go without food)
	fast (to) (fast + action indicator)
	fax (paper + telephone)
	fax (to) (fax + action ind.)
	fax machine (machine + fax)
	federal tax (tax + government [contr.])
	fencing (sport + to fight + sword)
	ferry (boat + back and forth: vessel that makes regular return trips between two ports)
	field hockey (sport + stick + ball) 2001
	figure skating (sport + ice skates + design)

WORD

	file (container + 1 + 0)
	filled leaf, dolma (leaf + filled)
	filled/stuffed cabbage (cabbage + filled)
	filled/stuffed food (food + filled)
	filled/stuffed vegetable (vegetable + filled)
abc	***finger spelling, finger alphabet*** (alphabet + hand)
^ abc	***fingerspell (to)*** (alphabet + hand + action ind.)
1	***first floor*** (storey + one)
	fish fingers (fish + linear thing + thing ind.: fish food shaped into sticks)
	fishball (fish [food] + ball: fish shaped into a ball)
	fishburger (bun + fish[contr.])

WORD

	fisherman (person + fish)
	fishing (sport) (sport + fishing)
	fishnet (cloth + fish)
	fjord (water + mountain)
	flatfish (fish + low)
	flavouring, seasoning (liquid) (flavouring [contr.] + liquid + thing indicator)
	flavouring, seasoning (powder) (flavouring [contr.] + powder + thing indicator)

WORD

	flax (material + stalk + cloth: textile fibre made from the stalk of the flax plant)
	florist (store + flower)
	flower fairy ("little person" + flower)
	flyer (paper + to disseminate)
	folder (pictograph: looks like a folder on a computer) SYNONYM
	folder (container + file) SYNONYM
	folk music (music + culture)
	follow (to) (to go + leader [contr.] + action indicator: to go behind a leader) (2001)
	food processor, kitchen machine (machine + to make + food)
	forefather (father + past)
	foremother (mother + past)

WORD

	forgiven (forgiveness + description after the fact indicator)
	forgiveness, pardon (combination of conscience *and* to allow + after: giving moral permission for a misdeed after it is done)
	Formula one, CART, NASCAR (sport + car + fast)
	foster home (similar + home)
	foundation (pictograph + pointer)
	42nd floor (storey + 42)
	free style skiing (sport + skis + design)
	freezer (cupboard + frozen)
	freighter (boat + thing)
	Frej (Nordic God + plant: the God of growing power)
	Freja (Nordic God(ess) + love: the Godess of love)

WORD

	fresh cheese (cheese + new)
	fried (to fry [contr.] + description indicator)
	fried egg (egg + to fry [contr.])
	Frigg (wife + Woden)
	frozen (ice + description after the fact indicator)
	frozen fish (fish + frozen))
	frozen meat (meat + frozen)
	frozen yoghurt (yoghurt + frozen)
	fruit cream, compote (cream + fruit)
	fruit salad (salad + fruit) The specifier *fruit* can be replaced with another appropriate one.
	frying pan (pan + oil)

WORD

	fuel gauge (gauge + gasoline/petrol + thing ind.)
	function (to) (to be able + work + action ind.)
	functional (to be able + work + descr. ind.)
	funeral (ceremony + death) SYNONYM
	funeral (religious ceremony + death) SYNONYM
	funnel (pictograph)
	garden centre (store + garden)
	gardener (person + garden)
	gauge (measurement [vertical] + thing ind.)
	general practitioner (doctor + generalization: physician who treats a variety of medical problems)
	genocide, holocaust (to destroy + a people: systematic annihilation of a racial, political or cultural group)

WORD

	geography (body of learning + earth)
	geography (class) (class [contr.] + geography [contr.])
	geologist (person + geology)
	geology (science + earth: scientific study of the origins, history and structure of the earth)
	geology (class) (class [contr.] + geology [contr.])
	ghost (make-believe person + transparent) CHANGE
	giant (make-believe person + gigantic)
	giant (human) (person + gigantic)
	gift shop (store + gift)
	gigantic (big + three intensity characters+ description indicator)
	ginger (flavouring + roots + thing indicator)

WORD

	ginger (powder) (flavouring [contr.] + powder + ginger [contr.] + thing indicator)
	ginger sauce (sauce + ginger [contr.])
	glass jar (can + glass)
	glider (airplane + air: plane propelled by air currents)
	go ashore (to) (shore + to go back + action. ind.)
	go by airplane (to), fly (to) (ride + airplane + action indicator)
	go by car (to) (ride + car + action indicator)
	go by horse (to) (ride + horse + action indicator)
	go to sea (to) (shore + to go forward + action ind.)
	goat (ovine + pictograph of beard)
	goblet, wine glass (pictograph)

WORD

	goblin (make-believe person + night)
	go-cart (car + small)
	go-carting, carting (sport + car + small)
	God the father (God + father)
	God the son (God + son)
	gold (metal [contr.] + ring)
	golf (sport + stick + ball + container, below ground) 2001
	gospel (story + Jesus Christ [contr.])
	grace (God + two pointers, suggesting radiation from God)
	grater, grinder (kitchen tool + to cut + piece)

WORD

	greengrocer (store + vegetable)
	grocery store, supermarket (store + food)
	group home family (group of + family: family consisting of members of a group home)
	gutter, eaves trough (container + eaves + thing ind.)
	gymnastics (sport + muscle + design: sport in which movements are carefully planned)
	gynaecologist (doctor + woman: physician who diagnoses and treats female reproduction organs)
30	***half an hour*** (30 + minute)
	hall (space + between + room: space between rooms)
	hamburger (bun + meat [contr.]) 2001
	hammer (sport + ball + chain)
	hand ball (sport + ball + hand) 2001

WORD

	hand bike (bicycle + hand: bicycle operated with the hands)
	handicraft shop (store + craft)
	handwriting (class), penmanship (class) (knowledge + write + hand)
	hang gliding (sport + wings + person: sport in which a person flies by hanging from wings propelled by air currents)
	hard (hand + table + description indicator: a table top is hard to touch) 2001
	hard cheese (cheese + hard)
	head mouse (pointing device + head)
	head scarf (clothing + head)

WORD

	health goods shop (store + health)
	Hebrew (language + Israel [contr.])
	Hebrew (class) (class [contr.] + Hebrew)
	Hell (place + devil)
	helmet (protection + intensity + head: strong protection for the head) 2001
	herb flavouring (flavouring + leaf + thing indicator)
	herb flavouring (powder) (flavouring [contr.] + powder + herb flavouring [contr.] + thing indicator)
	herb sauce (sauce + herb flavouring [contr.])

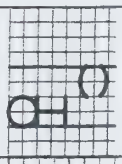
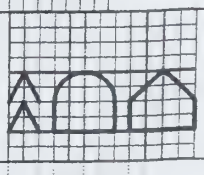
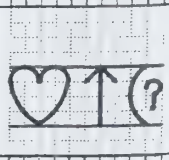
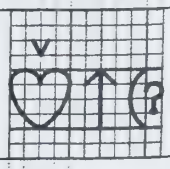
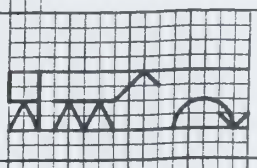
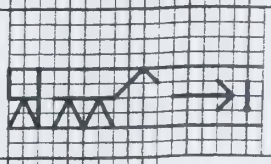
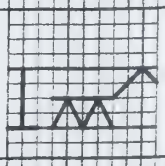
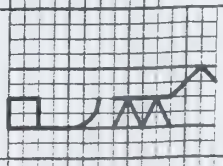
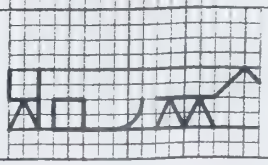
WORD

	herb, spice plant (plant + taste)
	hero (person + heroic)
	heroic (brave + intensity + descr. ind.)
	herring, sardine (fish + colour + silver [contr.]: often called "silver of the sea")
	high jump (sport + to jump + high)
	high tide (tide + high)
	high water (sea + high)
	historian (person + history)
	history (science + past: study of the past, especially as revealed in recorded materials)

WORD

	history (class) (class [contr.] + history [contr.])
	history teacher (teacher [contr.] + history [contr.])
	hobbit ("little person" + foot)
	hockey helmet (helmet + ice hockey [contr.])
	hold (to) (with your hand) (hand + goods + action ind.)
	holiness (pictograph: the symbol suggests a halo)
	holy (holiness + descriptive indicator)
	holy book (book + God)
	holy city (city + holy)
	holy event (event + holy)
	holy family (family + holy)

WORD

	**holy infant** (infant + holy)
	***home work, home studying*** (work + knowledge + home [contr.])
	***hope*** (happy + future + question mark)
	***hopeful*** (hope + descr. ind.)
	horizontal (right angle + pointer to horizontal arm of angle + descr. ind.)
	horns, antlers (pictograph)
	**horse jumping** (sport + horse + to jump)
	**horse racing** (sport + horse + fast)
	**horse rider** (person + horse)
	**horse sled** (sled + horse)
	**horse sled sport** (sport + horse sled)

WORD

	host (bread + holy)
	hot spring (spring water + hot)
	hot tray, chafing dish (tray + hot)
	house work (work + house: work to maintain a house)
	house-boat (boat + house)
	hovercraft (boat + up + air: boat is pressed upward by air)
	huge (big + one intensity character + description indicator)
	Hugin and Munin (2 + bird + Nordic God: two ravens belonging to Woden)
	hull, body (boat + pointer to the hull)
	hunt (to), shoot (to) (gun + animal + action ind.)
	hurdles (sport + legs and feet + fast + to jump)

WORD

	hydrotherapist (therapist + water)
	hymn, psalm, gospel song (song + religion)
	hymnal, hymn book (book + song + religion)
	ice cream (ice cream cone + pointer to the ice cream) SYNONYM
	ice cream bar (ice cream + bar)
	ice cream cone (pictograph)
	ice cream lollipop (UK) (pictograph)
	ice hockey (sport + stick + disc + ice) 2001

WORD

	illegal (without + law + descr. ind.)
	import (to enter + contents)
	import (to) (import + action ind.)
	import (to), (computer) (to enter + 1 + 0 + action ind.)
	imported (import + descr. ind.)
	impoverish (to) (to cause + poverty + action indicator)
	incense (smoke + smell)
	indoor (house + dot inside)
	inflation (value + money + minus: money will be worth less)
	information (mind + arrow into)
	ingredient (part of + mixture)

WORD

	inlet (earth + water + earth)
	innocence (judgement + positive: in a trial a person who is judged positively is judged not guilty)
	innocent, not guilty (innocence + descr. ind.)
	insight, aware of the world (to see + world: to be able to see the world as it is)
	internet (net + world + 1 + 0) SYNONYM
	internet (to exchange + world + 1 + 0) SYNONYM
	interrogate (to) (to ask + intensity + action indicator)
	interview (question + person)
	interview (to) (interview + action indicator)
	interviewer (person + interview)

WORD

	intranet (to exchange + limitation + 1 + 0)
	Introduce (to), present (to) (to say + name + action ind.)
	iron (metal [contr.] + nail)
	iron age (past time + iron [contr.])
	Islam (religion + Muslim: religion based on the teaching of the prophet Muhammed)
	javelin (arrow + big + thing indicator)
	javelin throw (sport + javelin + thing indicator)
	jellyfish (pictograph)
	Jesus Christ (man + Christianity) 2001
	jet ski (ski + water + motor)
	jeu de boules, boccia (sport + ball + ground + measurement)

WORD

	Jew (person) (person + Star of David)
	jockey (horse rider + fast)
	Joseph, Saint Joseph (father + Christ [contr.] + earth: the earthly father of Christ)
	journalist (writer + news)
	joystick (pointing device + linear thing + thing ind.)
	Judaism (religion + Star of David: religion of the Jewish people)
	judge (legal person + above/superior: a person who presides over legal proceedings and hands down a judgement)
	judge (to) (judgement + action ind.)
	a. judgement (mind + to weigh: the mind weighs something and passes judgement on it) ***b. The Law [contr.]*** Used as a specifier to create bliss-words pertaining to the law.
	a. ***jump (to)*** **b.** ***redo (to) (computer)*** SYNONYM (curved arrow, indicating the path of a jump + action ind.)

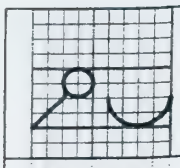
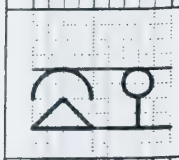
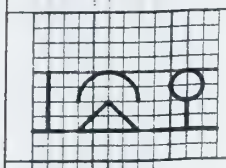
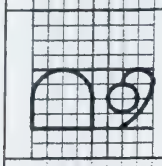
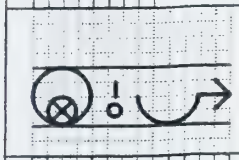
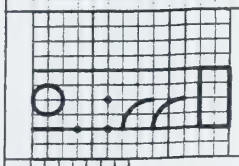
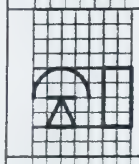
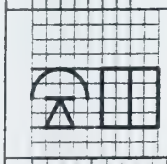
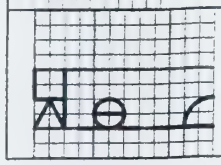
WORD

	judo (sport + to fight + east + mingling)
	juicy (liquid + intensity + description indicator)
	jury (group of + peer + legal [contr.]: a group of persons equal in standing before the law to the person being tried)
	just, fair (judgement + same/equal + descr. ind)
	justice (judgement + same/equal)
	kayak (boat + paddle [two blades])
	Kazachstan [spelling?]*** (country + horse)
	keel (boat + pointer to the keel)

WORD

	ketchup (sauce + tomato + intensity)
	key (computer) (part + keyboard)
	key guard (help + keyboard + thing ind.)
	keyboard (computer) (tool + alphabet)
	kindergarten, preschool, nursery, play group (house + child)
	kitchen tongs (kitchen tool + tongs)
	kitchen tool, utensil (tool [modified] + food [modified])
	kite flying (sport + kite)
	knee pad (protection + intensity + knee)
	Koran (holy book + Muslim)
	lacrosse (sport + racquets + team [contr.])

WORD

	**ladle** (spoon + container: spoon with deep bowl for serving liquids)
	***landscape design*** (design + garden)
	***landscape designer*** (designer + garden)
	***language (class)*** (class [contr.] + language)
	***laptop*** (computer + to carry [modified])
	**lasagne** (pasta + page)
	***law (a)*** (legal [contr.] + paper: judgement put into writing or recorded)
	***law, The Law*** (judgement + book)
	**lawn bowling, green bowling (UK)** (sport + ball + ground + lawn)

WORD

	lawyer (person + law)
	lawyer for the defence (legal person + to speak + to protect)
	lay (set) the table (to) *** (table top + glassware + action ind.)
	lead (metal [contr.] + a weight + thing ind.)
	leader (person + to lead) 2001

WORD

	lecture (to speak + knowledge + limited time)
	lecture (to) (lecture + action ind.)
	legal (law + descr. ind.)
	legal aid (help + legal [contr.])
	legal person (person + legal {contr.]) Used in conjunction with a specifier
	leisure time (time + free)
	leprechaun ("little person" + shamrock)
	lesson, lecture, class (teaching time) (limited time + to learn [contr.])
	librarian (person + library)
	lid (pictograph)
	lifeboat (boat + to aid)

WORD

	light meter (gauge + light + thing ind.)
	light switch (tool + cause + light)
	light year (year + light)
	lighthouse (tower + lamp + thing ind.)
	linen, flax fabric (cloth + stalk: fabric woven from flax [contr.])
	linguist (person + linguistics)
	linguistics (science + language: study of the nature and structure of language)
	liquor shop (store) *** (store + liquor)
	lobster (shellfish with claws + big)
	Loke (Nordic God + to lie: the God of falseness)
	lollipop, sucker (UK) (pictograph)

WORD

	long jump (sport + jump + far)
	***lotto, bingo* etc** (play [contr.] + card + number)
	low tide, ebb (tide + low)
	low water (sea + low)
	lumber jack (person + to cut + tree)
	lump (bits from *thing*)
	lumpy (lump + description indicator)
	lunch box (bag + food) Use appropriate classifier.
	macaroni (pasta + tube)
	magician (person + to cause + mystery)
	main course (food + middle)

WORD

	make believe person in/among the forest/trees (make-believe person + tree)
	make the bed (to) (to cover + bed + action ind.)
	make-believe man (man + make believe)
	make-believe person (in water), water nymph (make-believe person + water)
	make-believe person (under ground) (make-believe person + combination of ground *and* under)
	make-believe person, imaginary person (person + make believe)
	make-believe woman (woman + make believe)
	man doll (e.g. Ken) (man + man-made)
	man-made item (creation [modified]) Used as specifier to distinguish toys from actual objects or living things.
	manna (food + sky + down: food, or something, provided unexpectedly, as though it had dropped from heaven)
	maple syrup (flavouring [contr.] + sap + maple leaf + thing indicator)

WORD

	maple syrup flavouring (sap flavouring + maple leaf + thing indicator)
	market (group of + store + limited time)
	marriage (ceremony + marriage) SYNONYM
	marriage (religious ceremony + marriage) SYNONYM
	martial arts (sport + to fight + east)
	Mary, Mother of Christ (mother + Christ [contr.])
	massage (action + hand + muscle: manipulation of the body to relax muscles)
	masseur (person + hand + muscle: person who manipulates the body to relax muscles)
	mast (sail + pointer to the mast)

WORD

	matching games *** (play [contr.] + same)
	math (class), math (subject) (class [contr.] + mathematics [contr.])
	math (class), mathematics (subject [contr.] + mathematics)
	mathematician (person + mathematics)
	mathematics (science + number: study of numbers, their form, arrangement and associated relationships)
	mausoleum (building + coffin: building in which coffins or tombs are placed)
	measuring spoon (spoon + to measure)
	meat sauce (combination of sauce *and* minced meat)
	mechanic (person + machine)
	mechanical engineer (designer + machine)
	meditate (to) (to reflect + spirit + action indicator:to think and reflect within the spirit)

WORD

	memory (general) (knowledge + dot inside the knowledge)
	mercury (metal [contr.] + thermometer + thing ind.)
	mermaid (make-believe woman + fish: imaginary woman having a tail of a fish)
	Messiah (man + God + peace: Jesus Christ)
	meteorologist (person + meteorology)
	meteorology (science + weather: science dealing with the phenomena of the atmosphere, especially of weather)
	metropolis (may + many + many + building)
	Midgårdsormen (snake + past time + north: a big snake curled around the world to keep it together)
	midnight (hour + 24)
	minced/ground meat (meat + bits)
	mind sports (sport + mind)

WORD

	mini keyboard (computer) (keyboard + small)
	miracle (supernatural + positive: something positive which cannot be explained by laws of nature)
	mirror (reflection + thing indicator 2001
	misericordia, forgiveness from God (to forgive + God)
	missal, prayer book (book + action + religion)
	missionary (person + to disseminate + religion)
	mixer, blender (machine + mixture)
	mixing spoon (spoon + to mix)
	mixture (two curved arrows mingling)
	Mjölner (hammer + Nordic God: Thor ´s hammer)

WORD

	mobile phone, cell phone (telephone + to carry [modified])
	monitor (computer) (enclosure + computer)
	monotheism, unity of God (religion + 1 + God: belief that there is only one God)
	Moses (man + commandments)
	motor boat (boat + motor)
	motor boat sport (sport + boat + motor)
	motor cycle racing (sport + motor cycle + fast)
	motor cycle, scooter (bicycle + motor)
	motor sports (sport + motor)
	motorcycling, motocross, (sport + motor cycle)
	mountain abseiling(?), rappelling *** (sport + mountain + to go down)

WORD

	mountain bike (bicycle + mountain)
	mountain biking (sport + mountain bike)
	mountain climbing (sport + mountain + to go up)
	mountain sports (sport + mountain)
	mourn (to), grieve (to) (sadness + loss + action indicator: to feel sadness or grief after a loss)
	mouse, pointing device (tool + pointer)
	muffin, scone, brioche (bun + sweet)
	Muhammed (man + Islam: founder of Islam)
	multi storey building (group of + storey)
	multi storey home (group of + combination of storey *and* home)
	multiple sport competition (sport + many + activity) *Many* can be replaced by an appropriate number.

WORD

	muscle (arm + the picture of a protruding biceps) 2001
	music therapist (therapist + music)
	musical (play + music [contr.])
	Muslim (person) (person + Muslim)
	mustard (flavouring + seeds + intensity + thing indicator)
	mustard powder (flavouring [contr.] + powder + mustard [contr.] +thing indicator)
	mustard sauce (sauce + mustard [contr.])
	mysterious, unknown (mystery + description indicator)
	mystery, the unknown (knowledge + question mark: something known, but not fully understood)
	nag (to) (to say + to repeat + action indicator: to say repeatedly or over and over again)

WORD

	naming ceremony (ceremony + name)
	naming ceremony (religious ceremony + name)
	nation (a) (group + country: group of people organized under a single government)
	net (net + to catch)
	neurologist (doctor + central nervous system + thing indicator: physician who diagnoses and treats disorders of the nervous system)
	New Testament (holy book + after + Christ [contr.])
	Noah (man + boat + animal)
	noisemaker, musical toy (toy [contr.] + sound)
	noon (hour + 12)
	Nordic God(ess) (God + north)
	North America (continent + north + west)

WORD

	North Pole (earth + pointer to the north axis)
	Norway (country + fjord)
	not tasty, not good (tasty + negative + description indicator)
	notary (person + paper + legal [contr.]: person working with legal issues)
	notary (lawyer) (combination of legal person *and* law)
	nut cracker (kitchen tool + nut)
	obedience (action + by + rule [contr.]: act of doing something according to the rules)
	occupational therapist (therapist + activity)
	octopus (water creature + eight + arm)
	odometer (gauge + far + thing ind.)
	offer (to), sacrifice (to) (to give + Nordic God + action indicator: to make a sacrifice the Gods)

WORD

	oil gauge (gauge + oil + thing ind.)
	oil lamp (lamp + oil + thing indicator)
	oil tanker (freighter + oil)
	Old Testament (holy book + before + Christ [contr.])
	omelette (egg + mixture + to heat [modified])
	one storey building, bungalow (one + storey)
	one storey home (one + combination of storey *and* home)
	opener (hand tool + to open)
	opera (play + music [contr.] + up and down: play and music portraying conflicting emotions and upsetting events)
	ophthalmologist, oculist (doctor + eye)

WORD

	optician (person + glasses)
	orthopedist (doctor + bone)
	orthoptist (therapist + eye [vision])
	osteopath (person + hand + bone: person who treats medical disorders by manipulation techniques)
	otolaryngologist (doctor + ear + nose + throat)
	outdoor (house + dot outside)
	oval shape (pictograph)
	oven tray, cookie sheet (tray + oven)
	overlay (paper + on)
abc	***overlay keyboard, concept keyboard, flexiboard*** (keyboard + plan)
	paddle (two blades) (pictograph, containing water symbol))

WORD

	paddle, oar (pictograph, containing water symbol)
	palace (royal) (castle + crown) CHANGE
	palmtop, handheld computer (tablet + little)
	pancake, crêpe, tortilla (dish + horizontal line)
	paper money, bill (money + paper)
	parachute (combination of half of a *balloon* and *down*)
	parachuting (sport + parachute)
	parasailing (sport + parachute + boat)
	paraskiing (sport + parachute + skiis)
	passenger (person + to ride)
	pasta (food + flour: food made from [wheat] flour)

WORD

	pasta salad (salad + pasta [contr.]))
	pasta wheel (pasta + wheel)
	paten, holy tray (plate + holy)
	pedagogue (academician), teacher, educator (person + pedagogy) SYNONYM
	pedagogue, teacher, educator (person + to exchange + knowledge) SYNONYM
	pedagogy (body of learning + to exchange + knowledge)
	paediatrician * (sp)** (doctor + child)
	peer (person + same/equal)
	Pegasus (horse + wings)
	pencil case, pencil box (container + pencil/pen)
	people, tribe, clan, folk (a) (group + view of life: group of people who share a common culture)

WORD

	pepper (powder) (flavouring [contr.] + powder + pepper [contr.] + thing indicator)
	pepper sauce (sauce + pepper [contr.])
	perfect (perfection + descriptive indicator)
	perfection (correctness + two intensity characters)
	perform (to) (performance + action ind.)
	performance, show (a) (action + showplace)
	perseverance (action + to repeat + intensity: repeated performance of actions)
	persevere (to) (perseverance + action indicator)
	persuade (to), convince (to) (combination of to lead *and* to agree + action indicator)

WORD

	pharmacist (person + medicine)
	philosopher (person + causality)
	philosopher (academician) (person + philosophy)
	philosophy (body of learning + mind + causality)
	philosophy (class) (knowledge + causality)
	physics (class) (class [contr.] + physics [contr.])
	physics (science + energy: science of matter and energy and of interactions between them)
	physics (class) (class [contr.] + physics [contr.])
	physiotherapist (therapist + muscle)
	pickled (taste + sharp + description after the fact indicator))
	pilot boat (boat + to guide)

WORD

	pirate (sailor + to rob [contr.])
	play (activity + happy [contr.]) Used in conjunction with a specifier.
	play (a) (action + story)
	poached egg (egg + to heat [modified]+ water: egg cooked in water)
	pod (pictograph)
	pointer (hand pointing to something)
	polder (Dutch) (earth + water + to delete: land protected by dykes which has been reclaimed from a body of water)
	pole vaulting (sport + to jump + high + linear thing + thing indicator)
	police force (group of + police officer)
	polish (to) (to rub [contr.] + to shine + action indicator)
	polisher (machine + to rub [contr.] + to shine)

WORD

	polo (sport + horse +stick + ball)
	polytheism (religion + many + God: belief in more than one God)
	pool, snooker etc. (sport + table + many + ball) *Many* can be replaced by an appropriate number.
	poor (poverty + description indicator) SYNONYM
	Pope (leader + Vatican: bishop of Rome and leader of the Roman Catholic Church)
	popsicle (cylinder + frozen)
	porridge (porridge + cereal) SYNONYM
	pot holder, oven mitt (protection + hand + hot)
	pot stand, trivet (protection + table + hot)
	pot, kettle (pictograph)
	poverty (without + to own: state of being without possessions)

WORD

	prawn (shellfish without claws + big)
	preach (to) (to speak + to persuade + action indicator)
	predict (to) (to prophesy + fact + action indicator)
	pressure (enclosure + up and down: the arrows press against the top and bottom of the enclosure)
	pressure gauge (gauge + pressure + thing ind.)
	price rise (price + plus)
	proclaim (to), announce (to) (proclamation + action indicator: to make a public announcement)
	proclamation, announcement (to say + to disseminate: a public announcement)
	promote (to) (promotion + action ind.)
	promotion (activity + in order to)
	prophecy (to speak + future: what is said about the future)

WORD

	prophesy (to) (prophecy + action indicator)
	prophet (person + to prophesy)
	prosecute (to) (prosecution + action ind.)
	prosecution (to speak + opposition + legal [contr.])
	prosecutor (legal person + to accuse)
	protective mask (protection + intensity + face)
	protest (to), resist (to) (protest + action ind.)
	protest, opposition (to speak + against)
	protest, resistance (activity + against)
	Protestantism (religion + Christ [contr.] + group: Christian religion, which emphasizes the importance of the congregation)

WORD

	protractor (gauge + angle + thing ind.)
	psychiatrist (doctor + mind: physician who diagnoses and treats mental illness)
	psychologist (person + knowledge + mind)
	psychologist (person + psychology)
	psychologist (researcher) (researcher + psychology)
	psychology (science + mind: science of mental processes and behaviour)
	psychology (body of knowledge + mind + feeling)
	psychology teacher (teacher [contr.] + psychology [contr.])
	pteradactyl (dinosaur + wings)
	pudding, porridge (ex.), cream (pictograph)
	pushboat (boat + to push)

WORD

	quarter of an hour (15 + minute)
	quills, spines (pictograph) CHANGE
	racquet sports (sport + racquets)
	railway track (track + train)
	rain gauge (gauge + rain + thing ind.)
	Ramadan (fast + month + Muslim: month of fasting observed by Muslims)
	ramp (pictograph)
	rapids (river + intensity + stone: part of a river moving fast over rocks in the river bed)
	ravioli (pasta + filled)
	reaching aid, grabber (aid + to bring + thing indicator)

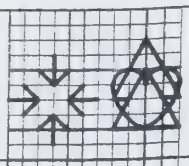
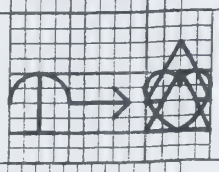
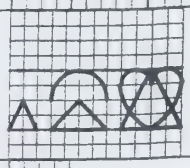
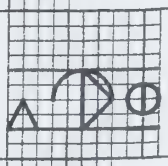
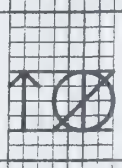
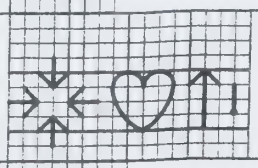
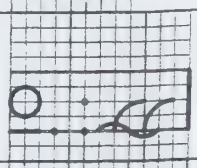
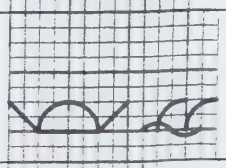
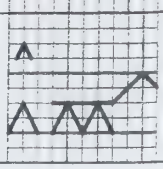
WORD

	reading (class) (class [contr.] + to read)
	reading lesson (lesson + to read)
	real estate tax (tax + building)
	recumbent bike (bicycle + person [lying down])
	redo (to add + action + in front of + action ind.) SYNONYM
	reflect (to), consider (to) (reflection + mind + action indicator)
	reflection (vertical line + bent arrow: a ray of light strikes a mirror and is reflected back from it)
	reflector (thing + reflection)
	reflexologist (person + hand + foot: person who gives therapy, based on manipulation of different zones of the foot)
	refrigerator, fridge (cupboard + cold) CHANGE
	rehab/hab doctor (doctor + to advance + ability: physician who works to improve or restore physical abilities)

WORD

	relay (to stop + to start)
	relay (sport) (sport + relay)
	religion (feeling + God: God-based religion) SYNONYM
	religion (body of learning + religion)
	religion (class) (class [contr.] + religion)
	religion teacher (teacher [contr.] + religion)
	religion, naturalism (feeling + creation: doctrine that all religious truths are derived from nature) SYNONYM 2001
	religious (religion + description indicator) SYNONYM
	religious ceremony (ceremony + God-based religion) SYNONYM
	religious event (event + religion)

WORD

	**religious gathering** (gathering + religion)
	**religious leader** (leader + religion)
	***religious service*** (service + religion)
	remember (to) (memory + action ind.)
	***research*** (activity + science)
	**resurrection** (up + dead: rising from the dead)
	**revelry** (party + intensity: lively or boisterous gathering)
	rice flour (powder + rice)
	**rice noodle** (food + rice flour + line)
	***rice porridge, rice pudding*** (pudding + rice)
	**ride a horse (to)** (activity + horse + action indicator)

WORD

	riding hat (helmet + horse: helmet worn when riding a horse)
	ritual (action + plan + to repeat: plan or procedures repeated over and over)
	rob (to) (to steal + intensity + action ind.)
	robber (person + to rob [contr.])
	robot doll (machine + person + man-made)
	rocking horse (horse + man-made + to rock) 2001
	roll (to) (to rotate + ground + action ind.)
	roller ball (pointing device + ball)
	rolling-pin (pictograph)
	Roman Catholicism, Roman Catholic Church (religion + Vatican: the doctrines, practices and organization of the Roman Catholic Church)
	rose (flower + love)

WORD

	row house, attached houses (pictograph)
	rowing (sport + boat + two + oar)
	rowing boat (boat + two + oar)
	rubber boat, dinghy (boat + air: rubber boat inflated with air)
	rudder (pictograph)
	rugby ball, football (North America) (pictograph)
	rugby, football (North America) (sport + rugby/ football + legs and feet)
	ruin (building + destroyed)
	runes (alphabet + past + north)
	running (sport + legs and feet + fast)

WORD

	Russia (country + bear [contr.])
	sacrament (Christian event + holy)
	sacrament of absolution sacrament + to forgive)
	sacrament of anointing of sick (sacrament + oil + illness)
	sacrament of baptism (sacrament + water)
	sacrament of communion (sacrament + food: Christian sacrament in which consecrated bread and wine are partaken of)
	sacrament of confirmation (sacrament + fire: Christian sacrament in commemoration of the flame of the Holy Spirit)
	sacrament of holy orders (sacrament + person + belongs to + God)
	sacrament of marriage (sacrament + marriage)
	sacrifice (gift + Nordic God)
	saddle (seat + horse)

WORD

	sail (pictograph) 2001
	sailing (sport + sailboat)
	sailing boat (pictograph) 2001
	saint (person + holy)
	salad dressing (sauce + salad)
	sale (activity + to sell)
	sales tax (tax + to sell)
	salmon (fish + jump + river)
	salt (flavouring + sea + thing indicator) 2001
	salt crystal (existing) 2001 GLOSS ADDITION

WORD

	samosa, pirogue (bread + filled)
	sanctify (to), consecrate (to) (holiness + action indicator)
	sanctity of life (holiness + life)
	sand play (play [contr.] + sand)
	sand toy (toy [contr.] + sand)
	sandman (make-believe man + to sleep: make-believe man who puts one to sleep)
	sandwich (open face) (bread + spread) SYNONYM
	Santa Claus, Father Christmas (man + beard + evergreen tree)
	sap (liquid + trunk)
	sap flavouring (flavouring + trunk + thing indicator)
	Särimner (pig/boar + Nordic God: a boar which was slaughtered every evening and healthy again every morning)

WORD

	sauce pan, milk pan (UK) (pictograph)
	sauce, gravy, relish, dressing (spread + liquid) 2001
	save (to), (computer) (combination of to keep *and* file + action ind.)
	save as (to), (computer) (to save + name + action ind.)
	save (to), (computer) (combination of to keep *and* file + action ind.)
	scatter ashes (to) (to scatter + ashes + action indicator)
	school (house + to teach [contr.]) Used in conjunction with a specifier.
	school bag (bag + book) Use appropriate classifier.
	schooner (sailing boat + many + mast) *Many* can be replaced by an appropriate number.

WORD

	science (causality + event)
	science of religion (body of learning + religion)
	science, body of learning (exists) 2001 GLOSS ADDITION
	scientist, researcher (person + science)
	scientist, researcher (person + research [contr.])
	scooter (bicycle + legs and feet: bicycle operated with legs and feet) Vehicles have different names in different countries.
	scooter (tricycle + electricity) Vehicles have different names in different countries.
	scooter, prone board (combination of vehicle *and* board)Vehicles have different names in different countries.
	Scotland (country + cloth: cloth representing tartan)
	scrambled egg (egg + to heat [modified] + mixture)

WORD

	scrumptious (tasty + one intensity character+ description indicator)
	sea anemone (water creature + flower)
	sea cucumber (water creature + oval shape)
	sea lion (water creature with tail + to shout)
	sea urchin (water creature + quills)
	seal (water creature with tail + fur)
	seaplane (airplane + water: plane that can land on water)
	season (part of + year)
	seat (pictograph)

WORD

	seaweed (water + grass)
	seize (to) (to get + intensity + action ind.)
	select all, mark all (to select + all + action ind.)
	semi-detached house (pictograph)
	service (activity + plan)
	serving spoon (spoon + to give)
	shell fish (generalization + clam)
	shellfish salad (salad + crab)

WORD

	shellfish without claws (pictografic)
	sheltered work-shop (house + protection + work)
	shepherd (person + sheep)
	shine (vertical line + two bent arrows [modified])
	shine (to) (shine + action indicator)
	shiny, glossy (shine + description indicator)
	shiva (Hebrew) (week + to mourn)
	shoal (school) of fish [new term]*** (group of + fish)
	shoot (to) (gun + action ind.)
	shooting sports (sport + gun)

WORD

	shopping centre (group of + store)
	shopping mall (building + shopping centre)
	short time home (home [contr.] + limited time)
	shot put (sport + ball + metal [contr.])
	shrimp (shellfish without claws + small)
	side car (plus + cart [modified]: a car added to another vehicle)
	side car motor cycle sport (sport + motor cycle + side car)
	sign (to) (sign language + action indicator)
	sign language (language + hand: language expressed with the hands)

WORD

	silk (material + worm + cloth: textile fibre produced by silk worms)
	silk fabric (cloth + worm: fabric woven from silk fibre [contr.])
	silver (metal [contr.] + spoon)
	single father (father + protection)
	single mother (mother + protection)
	single parent (parent + protection: one parent who offers protection to a child or children)
	single parent family (single parent + star: family consisting of a single parent and a child or children)
	siren of the woods (make-believe woman + tree)
	Siv (wife + Thor)
	size (measurement + big)
	skating (sport + ice skates)

WORD

	ski jumping (sport + skis + to jump)
	skiing (activity + skis)
	skiing (sport) (sport + skis)
	sky sports (sport + sky)
	skyscraper (many + many + many + storey: building with many storeys)
	slalom (sport + skis + to turn)
	sled dog (dog + sled)
	sled sport (sport + sled)
	Sleipner (horse + Nordic God: Woden´s horse)
	slice (thin + knife + thing indicator: a piece of food cut thin)
	slice (to) (slice + action indicator)

WORD

	sliced (slice + description indicator)
	snack (food + between) SYNONYM
	snorkling, scuba diving, deep sea diving (sport + under + water)
	snow board (board + snow)
	snow boarding (sport + snow board)
	soccer, football (sport + ball + legs and feet)
	sociologist (person + sociology)
	sociology (science + life + group: study of human social behaviour)
	soft cheese (cheese + soft)

WORD

	software, computer program (plan + 1 + 0)
	some day, any day (a + day)
	soul (spirit + person: the animating vital principal in man)
	South Africa (country + springbok)
	South America (continent + south + west)
	South Pole (earth + pointer to the south axis)
	spagetti (pasta + line) (2001
	sparkling wine (wine + gas)
	speech therapist (therapist + language)
	speed (measurement + fast)
	speed cycling (sport + bicycle + fast)

WORD

	speed skating (sport + ice skates + fast)
	speedometer (gauge + fast + thing ind.)
	spell (to) (alphabet + action ind.)
	spirit (feeling + to be: a feeling of being: a vital force, traditionally believed to be within living beings)
	sport (activity + health) 2001
	sport elf ("little person" + sport)
	sport lesson (lesson + sport)
	sport shop (store + sport)
	spreadable cheese (cheese + spread: cheese used as a spread)
	spring water (water + up)
	springbok (horned animal + to jump)

WORD

	squash (sport + racquets + room)
	stable (house + horse) SYNONYM
	stander (wheeled) [* US Name?]** (combination of wheel *and* person [standing])
	Star of David (symbol for Judaism + thing indicator) (2001)
	starfish (water creature + star)
	state tax (tax + province)
	statement (to write + to say + legal [contr.]: testimony written down or recorded)
	steal (to) (to take + negative + action ind.)
	steam ship (boat + steam)
	steamer (pot + steam)
	stern (boat + pointer to the stern)

WORD

	stew (combination of sauce *and* diced meat)
	stick ball (sport + ball + bat [contr.] + thing indicator)
	stone age (past time + stone [contr.])
	storage jar, preserving jar (can + future)
	store, shop CHANGE
	storey, a floor, level, etage (pictograph + pointer)
	stove top (stove + pointer to the top)
	stuffed, filled (container, closed over + descr. after the fact ind.)
	subject (of study) (part of + knowledge)
	suit of armour (protection + intensity + body)
	sulky (cart + small + horse)

WORD

	supernatural (nature + mind, at a higher level of consciousness)
	support orally (to) (to speak + in order to + action ind.)
	surf-board (board + wave)
	surgeon (doctor + knife)
	Sweden (country + three + crown: three crowns have been the symbol for Sweden since The Middle-Ages)
	Swedish (language + Sweden [contr.])
	Swedish (class) (class [contr.] + Swedish)
	sweet drink (drink + sweet)
	sweet shop (store + candy)
	swimming (sport + swimming)

WORD

	switch (tool + cause + action)
	sword fish (fish + sword)
	synchronized diving (sport + diving + design)
	synchronized swimming (sport + swimming + plan)
	synthetic material (material + chemical product + cloth: textile fibre produced by a chemical process)
	syrup (flavouring [contr.] + liquid + sweet + thing indicator)
	syrup from tree (flavouring [contr.] + sap + thing indicator)
	table mat, placemat (protection + table)
	table sports (sport + table)
	table tennis (sport + racquets + table) (20001)

WORD

	table top (table + pointer to the top)
	tablespoon (spoon + big)
	tablet (computer + hand)
	tailor, dress maker, seamstress (person + to make + clothes)
	tandem bike (bicycle + two + person)
	tanker (freighter + liquid)
	tasty, good (taste + positive + description indicator) 2001
	tax (money + to govern [contr.])
	teacher, pedagogue, educator (person + to teach [contr.]) Used in conjunction with a specifier.
	team (group + sport: group which comes together to play a sport) SYNONYM
	teaspoon (spoon + small)

WORD

	telephone card (card + telephone)
	telescope (tool + to see + star)
	temporary home (home + limited time)
	tennis (sport + racquets) (2001)
	testify (to) (to say + observation + legal [contr.] + action ind.)
	testimony (to say + observation + legal [contr.]: to state under oath what one has observed)
abc	***text phone*** (telephone + alphabet)
	the dead (dead person + plural indicator)
3	***The Holy Trinity*** (God + 3 + life)
5	**the Nordic countries** (five + country + north)
	the universe (all + planet)

WORD

	theatre (building + to see + to hear)
	theology, philosophy of religion (body of learning + God-based religion: system of religious beliefs and theories)
	therapist (person + therapy) (2001)
	therapy (mutual aid)
	therapy centre, rehabilitation centre (building + therapy)
	thief (person + to steal [contr.])
	Thor (Nordic God + hammer: the God of thunder; his hammer made the lightning)
	Tibet (country + dharma wheel)
	tidal wave (wave + enormous)
	tide (sea + water + back and forth: daily variations in surface levels of oceans)

WORD

	timer (gauge + time + thing ind.)
	tin (metal [contr.] + cup + past time)
	tin, can (can + metal [contr.])
	toboggan (sled + small)
	tomato sauce (sauce + tomato)
	tomb (place + coffin)
	tombstone (stone + grave)
	tooth fairy (fairy + teeth)
	touch screen (screen + hand)
	touchpad (pointing device + finger)
	towboat, tugboat (boat + to pull)

WORD

	tower (pictograph)
	toy (thing + play [contr.]) Used in conjunction with a specifier.
	toy shop (store + toy)
	track (pictograph)
	tragedy (play + sad [contr.])
	traveller (person + travel)
	trial (gathering + legal [contr.])
	triathlon (sport + three + activity)

WORD

	triceratops (dinosaur + three + horn)
	troll (make-believe person + stone: trolls turn into stones when the sun rises) SYNONYM
	troll (Scandinavia) (make-believe person + linear thing + buttocks + thing ind.: trolls have tails) SYNONYM
	tuna fish (fish + huge)
	two storey building (two + storey)
	type (to) (to write + machine + action ind.)
	Tyr (Nordic God + war: the God of war)
	tyrannosaurus rex (dinosaur + crown: the "King" of dinosaurs)
	undo (to) (to take away + action + in front of + action ind.) SYNONYM
	undo (to), (computer) (to jump backwards + action ind.) SYNONYM
	unending (without + end + description indicator)

WORD

0	***unfair, unjust*** (without + fair + descr. ind.)
	unforgiven (without + forgiveness + description indicator)
	unicorn (pictograph)
	uninhabited (place + without + human being + description indicator)
	universal, world-wide (world + all + description indicator)
	up and down 2001
	urn (vase + ashes: burial urn)
	vacuum cleaner (machine + to remove + dirt)
	Valhalla (house + Nordic God: home of the Gods)
	vanilla (flavouring + pod + thing indicator)
	vanilla (liquid) (flavouring [contr.] + liquid + vanilla [contr.] + thing indicator)

WORD

	vanilla (powder) (flavouring [contr.] + powder + vanilla [contr.] + thing indicator)
	vanilla sauce (sauce + vanilla [contr.])
	vase, urn, trophy cup (pictograph)
	Vatican, Vatican City (country + Christian: the Vatican is the seat of papal government)
	vegetables (generalization + vegetable above ground)
	veil (clothing + face)
v	***vertical*** (right angle + pointer to vertical arm of angle + descr. ind.)
	vestment (clothing + holy)
	view of life (mind + action: how people think or act)
v	**viking** (man + horns + sword)
	viking ship (boat + viking [contr.])

WORD

	virus (computer) (program + to destroy)
	vision, apparition (event + supernatural + to see)
	volley ball (sport + ball + to hit)
	waffle (food + grid: the waffle iron creates a grid pattern)
	wake up (to) (to go + awake + action ind.)
	wall climbing (sport + wall + to go up)
	walrus (water creature with tail + teeth)
	wash up (to), do the dishes (to) (to wash + glassware + action ind.)
	watch tower, observation tower (tower + to observe)
	water creature (the shape contains water) Used in conjunction with a specifier.
	water cycle [*paddle boat??]** (boat + legs and feet: boat propelled by the legs and feet)

WORD

	water ice lollipop (popsicle?) *** (lollipop + frozen)
	water meter (gauge + water + thing ind.)
	water play (play [contr.] + water)
	water polo (sport + ball + water)
	water ski (ski + water)
	water skiing (sport + water ski)
	water sports (sport + water)
	water tower (tower + water)
	water toy (toy [contr.] + water)
	waterfall (water + to fall)
	watery (water + description indicator)

WORD

	wave (water + pointer)
	weather forecast (prediction + weather)
	website (name + place + world + 1 + 0)
	weighing (weigh?) scale [alt. gloss?]*** (gauge + weight + thing ind.)
	weight (measurement + weight)
	weight lifting (sport + weight + thing indicator)
	wheelchair bike (bicycle + wheelchair)
	whisk, beater (kitchen tool + to mix)
	wicket (pictograph)
	wilderness (countryside + open/wild)
	wind surfing (sport + windsurf-board)

WORD

	windsurf-board (surfboard?) [* alt. gloss?]** (board + sail)
	winter sports (sport + snow)
	witch (make-believe woman + broom)
	witness (person + to testify [contr.])
	wizard (make-believe man + wand)
	Woden (Nordic God + eye: Woden gave away one eye in exchange for wisdom)
	wok (pictograph)
	woman doll (e.g.Barbie) (woman + man-made)
	work sheet (paper + to work)
	working place (house + work)
	wrestling (sport + to fight + mingling) (2001

WORD

	writer, author (person + to write)
	writing (class) (class [contr.] + to write)
	written proclamation (paper + proclamation)
	zoologist (person + zoology)
	zoology (science + animal: biological science of animals)

SECTION II

GLOSS LIST

GLOSSES ONLY

aboard, on board, (inside + vehicle +descr. ind.) Use appropriate specifier.
Abraham (man + multitude + offspring)
abstention (decision + without + action: decision to not do something)
academician (person + body of learning)
accusation (to speak + opposition)
accuse (to) (accusation + action ind.)
a. *act (to), do (to)* **b. *enter (to), (computer)*** (action + action ind.)
act in favour of (to) (action in favour of + action ind.)
act in favour of (to), (legal) (to act in favour of + legal [contr.])
action in favour of (activity + purpose)
activity centre (building + activity)
activity centre for children (activity centre + child)
activity centre for teenagers (activity centre + teenager)
acupuncturist (person + hand + linear thing + thing indicator: person who treats illness by puncturing the body with needles)
Adam (man + first: the first man on earth)
address (name + place + house) Use appropriate speciifier.
advocate (person + to advocate)
advocate (person + action in favour of)
advocate (legal) (legal person + to advocate)

advocate (legal) (legal person + to act in favour of)
advocate (to) (to speak + purpose + act ind.)
advocate (to), (legal) (to advocate + legal [contr.]+ action ind.)
Aegir (Nordic God + sea: the God of the sea)
Africa (continent + equator)
after school club, youth club, (activity centre for leisure time)
all knowing (knowledge + all + description indicator)
all powerful (ability + all + description indicator)
Allah (God + ALLAH)
altar (table + holy)
altar cloth (cloth + altar)
altimeter (gauge + high + thing ind.)
amen (yes + religion)
ampullae (two + bottle + holy)
ancestor (parent + past)
anemometer (gauge + wind + thing ind.)
angel (person [modified] + wings) SYNONYM
angel (spirit + supernatural + peace) SYNONYM
angle (measurement + angle)
Antarctic (continent + South Pole)

GLOSSES ONLY

anthropology
(science + human being: scientific study of human beings)

anti virus program
(computer program + protection)

apartment block
(many + many + storey)

apostle
(man + past + to disseminate + Christianity [contr.]: one of Christ ´s 12 disciples, whom he chose to preach the gospel)

appear (to)
(appearance + action indicator)

appearance, manifestation
(beginning + to see: coming into view for the first time)

appetizer, starter, entrée
(food + to start)

archaeologist
(person + archeology)

archaeology
(history + thing: study of physical objects and material evidence from the past)

archery
(sport + bow and arrow)

archipelago
(group of + island)

architect
(designer + building)

area
(measurement + enclosure)

arrest (to)
(to seize + legal [contr.] + action ind.)

aroma therapist
(person + hand + smell: person who gives therapy, based of different scents)

arrow
(arrow + thing indicator)

ashore
(shore + to go back + descr. ind.)

Asia
(continent + east)

astrology
(knowledge + star + person: knowledge of stars as they relate to human beings)

astronomer
(person + astronomy)

astronomy
(science + star: scientific study of the universe beyond the earth)

ATB, all terrain bike
(bicycle + countryside)

atheism
(without + belief + God: disbelief or denial of existence of God)

athletics
(sport + beginning: the original sports/contests)

ATM
(machine + bank card)

attach (to) (computer)
(attachment + action ind.)

attached (computer)
(attachment + descr. ind.)

attachment (computer)
(to attach + file)

attachment, appendix, annex
(vertical line + plus + vertical line)

attic
(pictograph + pointer)

audiologist
(therapist + ear [hearing])

Australia
(continent + south + east)

awful
(bad + intensity + description indicator)

back space (to), (computer)
(to delete + backwards)

badminton
(sport + ball + wings) (2001)

bagel
(bun + ring: bun in the shape of a ring)

GLOSSES ONLY

baggage, luggage, suitcase (ex.), bag
(pictograph)

baker
(person + bread)

bakery
(store + bread)

baking tin, baking pan, oven ware
(container + oven)

Balder
(Nordic God + light: the God of light and goodness)

ball pool
(enclosure [modified] + many + ball)

ball sports
(sport + ball)

ballet
(action + toe + music)

balloon (hot air)
(pictograph)

ballooning
(sport + hot air balloon)

bandy (Scandinavia)
(sport + stick + ball + ice)

bank card, money card
(card + money)

bar
(pictograph)

bar mitzvah (Hebrew) [* caps?]**
(religious ceremony + of + man: religious ceremony that recognizes a Jewish boy as a man)

barge, river boat
(freighter + river)

bark
(protection + trunk)

barometer, manometer
(gauge + pressure + air + thing ind.)

barrow
(wagon + garden)

baseball
(sport + ball + baseball diamond + pointer to base)

2001

basement, cellar
(pictograph + pointer)

basketball
(sport + ball + container, placed high in matrix space)

2001

bat mitzvah (Hebrew) [* CAPS?]**
(religious ceremony + of + woman: religious ceremony that recognizes a Jewish girl as a woman)

batter
(mixture + flour [contr.] + much + liquid)

be cold (to)
(to feel + cold + action ind.)

beach tennis
(sport + racquets + beach)

2001

beg (to), plead (to)
(to ask + comma + please + action indicator)

Belgium
(country + strong + intensity: acc. to Caesar, Belgians were the bravest of all people in the Roman empire)

belief
(feeling + supernatural)
SYNONYM

believer
(person + naturalism)
SYNONYM

believer
(person + religion)
SYNONYM

Bible (Christian)
(holy book + Christian)

billiards
(sport + table + three + ball)

biochemist
(person + biochemistry)

biochemistry
(science + chemical product + life [modified]: chemistry of biological substances and processes)

biologist
(person + biology)

biology
(science + combination of chemical product *and* life: science of living organisms and life processes)

GLOSSES ONLY

biology (class)
(class [contr.] + biology [contr.])

bishop
(leader + Christian)

blackberry
(compound berry + black)

bless (to)
(to give + peace + action indicator)

Bliss (class)
(class [contr.] + Bliss language)

Bliss name
(name + Blissymbol: combination of name *and* Blissymbol)

Bliss, Bliss language, Blissymbolics
(language + Blissymbol)

blot
(gathering + to sacrifice: ancient Scandinavian gathering to sacrifice to the Nordic Gods)

board
(pictograph)
SYNONYM

board (to)
(to reside + plus + to eat + action ind.)

boat-house
(house + boat)

boating
(sport + boat)

bob sleigh
(sled + big)

boiled egg
(egg + to boil [contr.])

book shop
(store + book)

boom
(sail + pointer to the boom)

botanist
(person + botany)

botany
(science + plant: biological science of plants)

bottle opener
(opener + bottle)

bow
(boat + pointer to the bow)

bow and arrow
(pictograph)

bowling
(sport + ball + ground)

2001

boxing
(sport + to fight + hand)

2001

brave, courageous
(feeling + strong + descr. ind.)

bricklayer
(person + brick)

brief case
(bag + paper)

brontosaurus
(dinosaur + big)

bronze
(metal [contr.] + tin [contr.] + copper [contr.])

bronze age
(past time + bronze [contr.])

brownie, house elf
("little person" + house)

bubble wand
(thing + sound + colour)

Buddha
(man + Buddhism)

Buddhism
(religion + dharma wheel)

Buddhist
(dharma wheel + descr. ind.)

Buddhist
(person + buddhist)

budget
(plan + business)

bun (for food)
(pictograph)
SYNONYM

burial
(religious ceremony + grave)
SYNONYM

burial
(ceremony + grave)
SYNONYM

GLOSSES ONLY

burial site
(place + under [ground])

bury (to)
(burial site + action indicator)
SYNONYM

butcher
(person + meat)

butcher shop
(store + meat)

cacao, cocoa (bitter powder)
(flavouring [contr.] + powder + bean + bitter [contr.] + thing indicator)

cacao cocoa (sweet powder)
(flavouring [contr.] + powder + bean + sweet [contr.] + thing indicator)

calling, profession, career
(work + choice: chosen work)

calling, vocation
(life + choice: chosen way of life)

can opener
(opener + can)

can, tin, jar
(pictograph) (2001)

candy
(pictograph)

candy bar
(bar + sweet)

candy, sweets
(generalization + candy)

canoe
(boat + one + paddle)

canoeing
(sport + boat + one + paddle)

cap
(pictograph)

car mechanic
(mechanic + car)

car racing
(sport + car)

car track
(track + car)

card
(pictograph)

card game
(play [contr.] + card)

cardiologist
(doctor + heart + thing indicator: physician who diagnoses and treats disorders of the heart)

care centre
(house + protection)

carriage
(cart + big + horse)
SYNONYM

carriage racing
(sport + horse + carriage)

cartography
(body of learning + map)

cartoon, animated film
(film + pencil: film on which images are drawn)

casserole
(food + container + oven: a food baked and served in the container in which it was cooked)

castle
(pictograph)
CHANGE

catamaran, pontoon boat
(two + hull)

causality
(mind + cause: to reflect on causes)

celebration
(event + happy + purpose: event to mark a special occasion)

celebration of life
(celebration + life)

cell
(the symbol suggests a cell, with the symbol for to live [half-sized] in it)

central nervous system
(brain + electricity + thing indicator: system consisting of brain and spinal cord which is activated by electrical impulses)

ceremony
(event + plan: event which consists of an act or a set of acts which follow a plan)

chain
(pictograph)

chalice
(goblet + holy)

champagne
(sparkling wine + intensity)

GLOSSES ONLY

charge (to)
(to say + quilty + action ind.)

cheap
(price + small + descr. ind.)

chemist
(person + chemistry)

chemistry
(science + chemical product: science of the composition, structure, properties and reactions of matter)

chemistry (class)
(class [contr.] + chemistry [contr.])

chilly
(feeling + cold + descr. ind.)

chiropodist
(therapist + foot)

chiropractor
(person + hand + joint: person who treats medical disorders by manipulation of the spinal column and other structures)

chocolate
(flavouring + bean + sweet [contr.] + thing indicator)

2001

chocolate bar
(bar + chocolate [contr.])

chocolate drink
(drink + chocolate [contr.])

2001

chocolate hagel [* WHATS A 'HAGEL'?]**
(spread + piece + chocolate [contr.])

chocolate sauce
(sauce + chocolate [contr.])

2001

chocolate spread
(spread + chocolate [contr.])

2001

Christian
person)(person + Christianity [contr.])

Christian charity
(charity + Christian)

Christian event
(event + Christian [contr.])

Christian faith
(belief + Christian)

Christian hope
(hope + Christian)

Christian love
(love + Christian)

Christianity
(religion + Christ [contr.]: religion founded on the teachings of Christ)

Christmas pudding
(pudding + Christmas [contr.])

Christmas tree
(tree + Christmas [contr.])

Cider
(alcoholic drink + apple)

cinnamon
(flavouring + bark + thing indicator)

cinnamon (powder)
(flavouring [contr.] + powder + cinnamon [contr.] +thing indicator)

circumcision ceremony
(religious ceremony + circumcision: religious procedure performed on male babies)

civil engineer
(designer + bridge)

class
(to learn [contr.])
Used in conjunction with a specifier.

cleaning cloth
(cloth + to remove + dirt)

cleaning tool
(tool + to remove + dirt)

clerk, legal aid
(helper + legal [contr.])

clothing shop
(store + clothing)

clown
(person + face + colour)

cockerel, rooster ['rooster' better?]***
(chicken + male)

cod
(fish + pictograph of beard)

GLOSSES ONLY

coffin (enclosure [modified] + person (lying down) [modified])
comedy (play + happy [contr.])
command (to), order (to) (to say + for the purpose of + action + action indicator: to speak with authority)
communication therapist (therapist + communication)
community centre, town hall, village hall (house + gathering)
computer (machine + 1 + 0) SYNONYM
computer game (computer program + to play [contr.])
computer peripheral (tool + computer)
computer screen (enclosure + eye + 1 + 0)
concert (action + music)
confess (to) (to speak + guilty)
confirmation (religious ceremony + knowledge)
conjure (to), turn to (to), transform (to) (wand + action ind.)
constellation of stars (group of + star)
constructional blocks, lego etc (block + together)
constructional toy (toy [contr.] + structure)
contact sports (sport +to fight)
continent (part of + earth)
continental drift (continent + back and forth)
control tower (tower + airplane)
conversion (change + belief)
convert (to) (conversion + action indicator)

cookie jar, biscuit tin (can + cookie/biscuit)
copper (metal [contr.] + pot + past time)
copy machine, photo copier (machine + copy + paper)
coral (water creature + plant)
coral reef (many + many + coral)
cordless phone (telephone + back and forth)
cork screw (kitchen tool + screw)
corn syrup (flavouring [contr.] + liquid + corn + thing indicator)
corpse, cadaver (body + dead)
correctness, accuracy (mind + positive)
corridor, hall (room + long)
cottage cheese (cheese + lump)
cotton (material + flower + pointer + cloth: textile fibre made from the boll of the cotton plant)
cotton fabric (cloth + flower + pointer: fabric woven from cotton fibre [contr.])
count (measurement + number)
court, court house (building + The Law [contr.]
court, courtroom (public room + The Law [contr.]
coward (person + cowardly + descr. ind.)
cowardly (minus + brave + descr. ind)
crab, shellfish with claws (pictograph)
crayfish (shellfish with claws + small)
cremate (to) (cremation + action indicator)

GLOSSES ONLY

Cremation (fire + a dead person [contr.])
cricket (sport + ball + wicket)
croquet (sport + ball + mallet) 2001
cross (cross + thing indicator) 2001
cross country skiing (sport + skis + forward)
crown (pictograph) 2001
cruise ship (boat + person + to travel)
culture (view of life + group: view of life shared by a group of people)
cup (pictograph)
cupcake, fancy cake (muffin + intensity)
curling (sport + disc + broom + ice)
currency (money + country)
curry (flavouring + mixture + hot [modified] + thing indicator)
curry (powder) (flavouring [contr.] + powder + mixture + hot [modified] + thing indicator)
curry sauce (sauce + mixture + hot [modified])
cut (to), (computer) (to carry [modified] + 1 + 0)
cycle (to), ride a bike (to) (bicycle + action indicator)
cycling (sport + bicycle)
cycling helmet (helmet + bicycle)

dare (to) (brave + activity + action ind.)
dart (arrow + small + thing indicator)
darts (sport + dart + thing indicator)
data, digital, computer information (information + 1 + 0)
day and night (24 + hour)
day care centre (care centre + day)
day centre (activity centre + day)
dead person (person + dead)
deck (boat + pointer to the deck)
decorated cake, fancy cake (cake + intensity)
deep fat fryer (pot + oil + electricity)
defence (activity + protection)
defence (to speak + to protect)
defence (legal) (to defend + legal [contr.])
defend (to) (defence + action ind.)
defend (to), (legal) (to speak + to defend + legal [contr.] + action ind.)
defend (to), (legal) (defence + legal [contr.])
defender (person + to defend)
deflation (value + money + plus: money will be worth more)
delete (to), (computer) (to delete + forward + action ind.)
demand (to) (to say + to want + intensity + action indicator: to speak or ask with urgency)

GLOSSES ONLY

demonstrate (against) (to)
(demonstration against + action ind.)

demonstration (against)
(activity + opposition)

department store
(store + many + part)

desert
(earth + without + water)

designer (general), planner
(person + design)

desktop computer
(computer + table top)

detach (to), take apart (to)
(vertical line + minus + vertical line + action ind.)

devil
(person [modified] + horns)
SYNONYM

devil
(spirit + supernatural + bad + intensity: very bad supernatural spirit)
SYNONYM

dharma wheel
(the wheel is used as a symbol in Buddhism)

diced meat, chunks of meat
(meat + piece: meat cut into small pieces)

digital memory
(mind + 1 + 0)

dinosaur
(pictograph)

disappear (to)
(disappearance + action indicator)

disappearance
(ending + to see)

discount
(price + minus)

discount sale
(event + discount)

discount store
(combination of store *and* discount)

discus
(sport + disc)

disembark (to)
(to exit + vehicle + action ind.)

disgusting (taste)
(not tasty + one intensity character+ description indicator)

dish gloves, rubber gloves
(protection + hand + water)

disperse (to), disseminate (to), scatter (to)
(four arrows [modified], pointing outward from each other, i.e. spreading out + action indicator)

a. ***do (to), act (to)***
b. ***enter (to), (computer)***
(action + action ind.)

distance
(measurement + far)

divine, holy
(God + description indicator)

diving
(sport + to jump + water))

document
(paper + pen)

dog sled
(sled + dog)

dog sled sport
(sport + dog sled)

dolphin, porpoise (ex.),
(pictograph) : water creature with tail)

dough
(mixture + flour [contr.] + liquid)

doughnut
(muffin + ring: muffin in the shape of a ring)

downhill skiing
(sport + skis + downward/forward)

drama
(play + up and down: play portraying conflicting emotions and upsetting events)

dressage
(sport + horse + plan)

drown (to)
(to die + water + action indicator)

drown (to), cause to drown (to)
(to cause + to drown + action indicator)

drugstore, pharmacy
(store + medical)

dumpling
(food + bun + ball: bun-like food shaped into a ball)

GLOSSES ONLY

dwarf "little person" (make-believe person + little)
dwarf, gnome ("little person" + beard)
earthquake (earth + to shake + intensity)
Eastern Orthodox Church (Christianity + east: group of churches, including Greek and Russian Orthodox)
eaves (roof + pointer + thing ind.)
economics (science + business: science that deals with the production, distribution and consumption of commodities)
economics (class) (class [contr.] + business)
economist (person + economics)
elbow pad (protection + intensity + elbow)
electric kettle (kettle with spout + electricity)
electric pan (pan + electricity)
electrical engineer (designer + electricity)
electricity meter (gauge + electricity + thing ind.)
elementary school, primary school (school [contr.] + child) Use appropriate specifier.
elf ("little person" + star) SYNONYM
elf ("little person" + fog) SYNONYM
e-mail (letter + 1 + 0)
e-mail address (name + place + e-mail)
embark (to), board (to) (to enter + vehicle + action ind.)
England (country + rose)

English (language + England [contr.])
English (class) (class [contr.] + English)
enormous (big + two intensity characters+ description indicator)
enter (computer) (pictograph: looks like the enter symbol on a computer keyboard)
equator (earth + pointer to the equator)
equestrian sports (sport + horse)
eternal (time + infinite + description indicator)
eternal life, immortality (life + without + end) 2001
Euro (international symbol for Euro)
Europe (continent + north)
evangelise (to) (to disseminate + news + positive + action indicator) SYNONYM
evangelise (to) (Christian) (to disseminate + news + positive + Christianity [contr.] + action indicator) SYNONYM
Eve (woman + first: the first woman on earth)
evidence (fact + legal [contr.])
excellence (correctness + one intensity character)
excellent (excellence + descriptive indicator)
expanded keyboard (computer) (keyboard + big)
expensive (price + big + descr. ind.)

GLOSSES ONLY

export (to exit + contents)
export (to) (export + action ind.)
export (to) (computer) (to exit + 1+ 0 + action ind.)
exported (export + descr. ind.)
eye mouse, eye gaze (pointing device + eye)
fairy, fairy godmother (make-believe woman + wand)
fall asleep (to) (to go + asleep + action ind.)
family (couple + star, representing a child or children) SYNONYM
farfalle (pasta + butterfly)
fashion designer (designer + clothes)
fast (decision + without + food: decision to go without food)
fast (to) (fast + action indicator)
fax (paper + telephone)
fax (to) (fax + action ind.)
fax machine (machine + fax)
federal tax (tax + government [contr.])
fencing (sport + to fight + sword)
ferry (boat + back and forth: vessel that makes regular return trips between two ports)
field hockey (sport + stick + ball) 2001
figure skating (sport + ice skates + design)

file (container + 1 + 0)
filled leaf, dolma (leaf + filled)
filled/stuffed cabbage (cabbage + filled)
filled/stuffed food (food + filled)
filled/stuffed vegetable (vegetable + filled)
finger spelling, finger alphabet (alphabet + hand)
fingerspell (to) (alphabet + hand + action ind.)
first floor (storey + one)
fish fingers (fish + linear thing + thing ind.: fish food shaped into sticks)
fishball (fish [food] + ball: fish shaped into a ball)
fishburger (bun + fish[contr.])
fisherman (person + fish)
fishing (sport) (sport + fishing)
fishnet (cloth + fish)
fjord (water + mountain)
flatfish (fish + low)
flavouring, seasoning (liquid) (flavouring [contr.] + liquid + thing indicator)
flavouring, seasoning (powder) (flavouring [contr.] + powder + thing indicator)
flax (material + stalk + cloth: textile fibre made from the stalk of the flax plant)
florist (store + flower)
flower fairy ("little person" + flower)

GLOSSES ONLY

flyer
(paper + to disseminate)

folder
(pictograph: looks like a folder on a computer)
SYNONYM

folder
(container + file)
SYNONYM

folk music
(music + culture)

follow (to)
(to go + leader [contr.] + action indicator:
to go behind a leader) (2001)

food processor, kitchen machine
(machine + to make + food)

forefather
(father + past)

foremother
(mother + past)

forgiven
(forgiveness + description after the fact indicator)

forgiveness, pardon
(combination of conscience *and* to allow + after: giving moral permission for a misdeed after it is done)

Formula one, CART, NASCAR
(sport + car + fast)

foster home
(similar + home)

foundation
(pictograph + pointer)

42nd floor
(storey + 42)

free style skiing
(sport + skis + design)

freezer
(cupboard + frozen)

freighter
(boat + thing)

Frej
(Nordic God + plant: the God of growing power)

fresh cheese
(cheese + new)

fried
(to fry [contr.] + description indicator)

fried egg
(egg + to fry [contr.])

Frigg
(wife + Woden)

frozen
(ice + description after the fact indicator)

frozen fish
(fish + frozen))

frozen meat
(meat + frozen)

frozen yoghurt
(yoghurt + frozen)

fruit cream, compote
(cream + fruit)

fruit salad
(salad + fruit)
The specifier *fruit* can be replaced with another appropriate one.

frying pan
(pan + oil)

fuel gauge
(gauge + gasoline/petrol + thing ind.)

function (to)
(to be able + work + action ind.)

functional
(to be able + work + descr. ind.)

funeral
(ceremony + death)
SYNONYM

funeral
(religious ceremony + death)
SYNONYM

funnel
(pictograph)

garden centre
(store + garden)

gardener
(person + garden)

gauge
(measurement [vertical] + thing ind.)

GLOSSES ONLY

general practitioner
(doctor + generalization: physician who treats a variety of medical problems)

genocide, holocaust
(to destroy + a people: systematic annihilation of a racial, political or cultural group)

geography
(body of learning + earth)

geography (class)
(class [contr.] + geography [contr.])

geologist
(person + geology)

geology
(science + earth: scientific study of the origins, history and structure of the earth)

geology (class)
(class [contr.] + geology [contr.])

ghost
(make-believe person + transparent) CHANGE

giant
(make-believe person + gigantic)

giant (human)
(person + gigantic)

gift shop
(store + gift)

gigantic
(big + three intensity characters+ description indicator)

ginger
(flavouring + roots + thing indicator)

ginger (powder)
(flavouring [contr.] + powder + ginger [contr.] + thing indicator)

ginger sauce
(sauce + ginger [contr.])

glass jar
(can + glass)

glider
(airplane + air: plane propelled by air currents)

go ashore (to)
(shore + to go back + action. ind.)

go by airplane (to), fly (to)
(ride + airplane + action indicator)

go by car (to)
(ride + car + action indicator)

go by horse (to)
(ride + horse + action indicator)

go to sea (to)
(shore + to go forward + action ind.)

goat
(ovine + pictograph of beard)

goblet, wine glass
(pictograph)

goblin
(make-believe person + night)

go-cart
(car + small)

go-carting, carting
(sport + car + small)

God the father
(God + father)

God the son
(God + son)

gold
(metal [contr.] + ring)

golf
(sport + stick + ball + container, below ground)

2001

gospel
(story + Jesus Christ [contr.])

grace
(God + two pointers, suggesting radiation from God)

grater, grinder
(kitchen tool + to cut + piece)

greengrocer
(store + vegetable)

grocery store, supermarket
(store + food)

group home family
(group of + family: family consisting of members of a group home)

gutter, eaves trough
(container + eaves + thing ind.)

gymnastics
(sport + muscle + design: sport in which movements are carefully planned)

gynaecologist
(doctor + woman: physician who diagnoses and treats female reproduction organs)

GLOSSES ONLY

half an hour
(30 + minute)

hall
(space + between + room: space between rooms)

hamburger
(bun + meat [contr.])

2001

hammer
(sport + ball + chain)

hand ball
(sport + ball + hand)

2001

hand bike
(bicycle + hand: bicycle operated with the hands)

handicraft shop
(store + craft)

handwriting (class), penmanship (class)
(knowledge + write + hand)

hang gliding
(sport + wings + person: sport in which a person flies by hanging from wings propelled by air currents)

hard
(hand + table + description indicator: a table top is hard to touch)
2001

hard cheese
(cheese + hard)

head mouse
(pointing device + head)

head scarf
(clothing + head)

health goods shop
(store + health)

Hebrew
(language + Israel [contr.])

Hebrew (class)
(class [contr.] + Hebrew)

Hell
(place + devil)

helmet
(protection + intensity + head: strong protection for the head)
2001

herb flavouring
(flavouring + leaf + thing indicator)

herb flavouring (powder)
(flavouring [contr.] + powder + herb flavouring [contr.] + thing indicator)

herb sauce
(sauce + herb flavouring [contr.])

herb, spice plant
(plant + taste)

hero
(person + heroic)

heroic
(brave + intensity + descr. ind.)

herring, sardine
(fish + colour + silver [contr.]: often called "silver of the sea")

high jump
(sport + to jump + high)

high tide
(tide + high)

high water
(sea + high)

historian
(person + history)

history
(science + past: study of the past, especially as revealed in recorded materials)

history (class)
(class [contr.] + history [contr.])

history teacher
(teacher [contr.] + history [contr.])

hobbit
("little person" + foot)

hockey helmet
(helmet + ice hockey [contr.])

hold (to) (with your hand)
(hand + goods + action ind.)

holiness
(pictograph: the symbol suggests a halo)

GLOSSES ONLY

holy (holiness + descriptive indicator)
holy book (book + God)
holy city (city + holy)
holy event (event + holy)
holy family (family + holy)
holy infant (infant + holy)
home work, home studying (work + knowledge + home [contr.])
hope (happy + future + question mark)
hopeful (hope + descr. ind.)
horizontal (right angle + pointer to horizontal arm of angle + descr. ind.)
horns, antlers (pictograph)
horse jumping (sport + horse + to jump)
horse racing (sport + horse + fast)
horse rider (person + horse)
horse sled (sled + horse)
horse sled sport (sport + horse sled)
host (bread + holy)
hot spring (spring water + hot)
hot tray, chafing dish (tray + hot)
house work (work + house: work to maintain a house)
house-boat (boat + house)
hovercraft (boat + up + air: boat is pressed upward by air)

huge (big + one intensity character + description indicator)
Hugin and Munin (2 + bird + Nordic God: two ravens belonging to Woden)
hull, body (boat + pointer to the hull)
hunt (to), shoot (to) (gun + animal + action ind.)
hurdles (sport + legs and feet + fast + to jump)
hydrotherapist (therapist + water)
hymn, psalm, gospel song (song + religion)
hymnal, hymn book (book + song + religion)
ice cream (ice cream cone + pointer to the ice cream) SYNONYM
ice cream bar (ice cream + bar)
ice cream cone (pictograph)
ice cream lollipop (UK) (pictograph)
ice hockey (sport + stick + disc + ice) 2001
illegal (without + law + descr. ind.)
import (to enter + contents)
import (to) (import + action ind.)
import (to), (computer) (to enter + 1 + 0 + action ind.)
imported (import + descr. ind.)
impoverish (to) (to cause + poverty + action indicator)
incense (smoke + smell)
indoor (house + dot inside)

GLOSSES ONLY

inflation (value + money + minus: money will be worth less)
information (mind + arrow into)
ingredient (part of + mixture)
inlet (earth + water + earth)
innocence (judgement + positive: in a trial a person who is judged positively is judged not guilty)
innocent, not guilty (innocence + descr. ind.)
insight, aware of the world (to see + world: to be able to see the world as it is)
internet (net + world + 1 + 0) SYNONYM
internet (to exchange + world + 1 + 0) SYNONYM
interrogate (to) (to ask + intensity + action indicator)
interview (question + person)
interview (to) (interview + action indicator)
interviewer (person + interview)
intranet (to exchange + limitation + 1 + 0)
Introduce (to), present (to) (to say + name + action ind.)
iron (metal [contr.] + nail)
iron age (past time + iron [contr.])
Islam (religion + Muslim: religion based on the teaching of the prophet Muhammed)
javelin (arrow + big + thing indicator)
javelin throw (sport + javelin + thing indicator)

jellyfish (pictograph)
Jesus Christ (man + Christianity) 2001
jet ski (ski + water + motor)
jeu de boules, boccia (sport + ball + ground + measurement)
Jew (person) (person + Star of David)
jockey (horse rider + fast)
Joseph, Saint Joseph (father + Christ [contr.] + earth: the earthly father of Christ)
journalist (writer + news)
joystick (pointing device + linear thing + thing ind.)
Judaism (religion + Star of David: religion of the Jewish people)
judge (legal person + above/superior: a person who presides over legal proceedings and hands down a judgement)
judge (to) (judgement + action ind.)
a. judgement (mind + to weigh: the mind weighs something and passes judgement on it) ***b. The Law [contr.]*** Used as a specifier to create bliss-words pertaining to the law.
a. *jump (to)* **b. *redo (to) (computer)*** SYNONYM (curved arrow, indicating the path of a jump + action ind.)
judo (sport + to fight + east + mingling)

GLOSSES ONLY

juicy (liquid + intensity + description indicator)
jury (group of + peer + legal [contr.]: a group of persons equal in standing before the law to the person being tried)
just, fair (judgement + same/equal + descr. ind)
justice (judgement + same/equal)
kayak (boat + paddle [two blades])
Kazachstan [spelling?]*** (country + horse)
keel (boat + pointer to the keel)
ketchup (sauce + tomato + intensity)
key (computer) (part + keyboard)
key guard (help + keyboard + thing ind.)
keyboard (computer) (tool + alphabet)
kindergarten, preschool, nursery, play group (house + child)
kitchen tongs (kitchen tool + tongs)
kitchen tool, utensil (tool [modified] + food [modified])
kite flying (sport + kite)
knee pad (protection + intensity + knee)
Koran (holy book + Muslim)
lacrosse (sport + racquets + team [contr.])
ladle (spoon + container: spoon with deep bowl for serving liquids)
landscape design (design + garden)
landscape designer (designer + garden)

language (class) (class [contr.] + language)
laptop (computer + to carry [modified])
lasagne (pasta + page)
law (a) (legal [contr.] + paper: judgement put into writing or recorded)
law, The Law (judgement + book)
lawn bowling, green bowling (UK) (sport + ball + ground + lawn)
lawyer (person + law)
lawyer for the defence (legal person + to speak + to protect)
lay (set) the table (to) *** (table top + glassware + action ind.)
lead (metal [contr.] + a weight + thing ind.)
leader (person + to lead) 2001
lecture (to speak + knowledge + limited time)
lecture (to) (lecture + action ind.)
legal (law + descr. ind.)
legal aid (help + legal [contr.])
legal person (person + legal {contr.]) Used in conjunction with a specifier
leisure time (time + free)
leprechaun ("little person" + shamrock)
lesson, lecture, class (teaching time) (limited time + to learn [contr.])
librarian (person + library)
lid (pictograph)
lifeboat (boat + to aid)

GLOSSES ONLY

light meter
(gauge + light + thing ind.)

light switch
(tool + cause + light)

light year
(year + light)

lighthouse
(tower + lamp + thing ind.)

linen, flax fabric
(cloth + stalk: fabric woven from flax [contr.])

linguist
(person + linguistics)

linguistics
(science + language: study of the nature and structure of language)

liquor shop (store) ***
(store + liquor)

lobster
(shellfish with claws + big)

Loke
(Nordic God + to lie: the God of falseness)

lollipop, sucker (UK)
(pictograph)

long jump
(sport + jump + far)

***lotto, bingo* etc**
(play [contr.] + card + number)

low tide, ebb
(tide + low)

low water
(sea + low)

lumber jack
(person + to cut + tree)

lump
(bits from *thing*)

lumpy
(lump + description indicator)

lunch box
(bag + food)
Use appropriate classifier.

macaroni
(pasta + tube)

magician
(person + to cause + mystery)

main course
(food + middle)

make believe person in/among the forest/trees
(make-believe person + tree)

make the bed (to)
(to cover + bed + action ind.)

make-believe man
(man + make believe)

make-believe person (in water), water nymph
(make-believe person + water)

make-believe person (under ground)
(make-believe person + combination of ground *and* under)

make-believe person, imaginary person
(person + make believe)

make-believe woman
(woman + make believe)

man doll (e.g. Ken)
(man + man-made)

man-made item
(creation [modified])
Used as specifier to distinguish toys from actual objects or living things.

manna
(food + sky + down: food, or something, provided unexpectedly, as though it had dropped from heaven)

maple syrup
(flavouring [contr.] + sap + maple leaf + thing indicator)

maple syrup flavouring
(sap flavouring + maple leaf + thing indicator)

market
(group of + store + limited time)

marriage
(ceremony + marriage)
SYNONYM

marriage
(religious ceremony + marriage)
SYNONYM

martial arts
(sport + to fight + east)

GLOSSES ONLY

Mary, Mother of Christ (mother + Christ [contr.])
massage (action + hand + muscle: manipulation of the body to relax muscles)
masseur (person + hand + muscle: person who manipulates the body to relax muscles)
mast (sail + pointer to the mast)
matching games *** (play [contr.] + same)
math (class), math (subject) (class [contr.] + mathematics [contr.])
math (class), mathematics (subject [contr.] + mathematics)
mathematician (person + mathematics)
mathematics (science + number: study of numbers, their form, arrangement and associated relationships)
mausoleum (building + coffin: building in which coffins or tombs are placed)
measuring spoon (spoon + to measure)
meat sauce (combination of sauce *and* minced meat)
mechanic (person + machine)
mechanical engineer (designer + machine)
meditate (to) (to reflect + spirit + action indicator:to think and reflect within the spirit)
memory (general) (knowledge + dot inside the knowledge)
mercury (metal [contr.] + thermometer + thing ind.)
mermaid (make-believe woman + fish: imaginary woman having a tail of a fish)
Messiah (man + God + peace: Jesus Christ)

meteorologist (person + meteorology)
meteorology (science + weather: science dealing with the phenomena of the atmosphere, especially of weather)
metropolis (may + many + many + building)
Midgårdsormen (snake + past time + north: a big snake curled around the world to keep it together)
midnight (hour + 24)
minced/ground meat (meat + bits)
mind sports (sport + mind)
mini keyboard (computer) (keyboard + small)
miracle (supernatural + positive: something positive which cannot be explained by laws of nature)
mirror (reflection + thing indicator 2001
misericordia, forgiveness from God (to forgive + God)
missal, prayer book (book + action + religion)
missionary (person + to disseminate + religion)
mixer, blender (machine + mixture)
mixing spoon (spoon + to mix)
mixture (two curved arrows mingling)
Mjölner (hammer + Nordic God: Thor ´s hammer)
mobile phone, cell phone (telephone + to carry [modified])
monitor (computer) (enclosure + computer)

GLOSSES ONLY

monotheism, unity of God
(religion + 1 + God: belief that there is only one God)

Moses
(man + commandments)

motor boat
(boat + motor)

motor boat sport
(sport + boat + motor)

motor cycle racing
(sport + motor cycle + fast)

motor cycle, scooter
(bicycle + motor)

motor sports
(sport + motor)

motorcycling, motocross,
(sport + motor cycle)

mountain abseiling(?), rappelling ***
(sport + mountain + to go down)

mountain bike
(bicycle + mountain)

mountain biking
(sport + mountain bike)

mountain climbing
(sport + mountain + to go up)

mountain sports
(sport + mountain)

mourn (to), grieve (to)
(sadness + loss + action indicator: to feel sadness or grief after a loss)

mouse, pointing device
(tool + pointer)

muffin, scone, brioche
(bun + sweet)

Muhammed
(man + Islam: founder of Islam)

multi storey building
(group of + storey)

multi storey home
(group of + combination of storey *and* home)

multiple sport competition
(sport + many + activity)
Many can be replaced by an appropriate number.

music therapist
(therapist + music)

musical
(play + music [contr.])

Muslim (person)
(person + Muslim)

mustard
(flavouring + seeds + intensity + thing indicator)

mustard powder
(flavouring [contr.] + powder + mustard [contr.] +thing indicator)

mustard sauce
(sauce + mustard [contr.])

mysterious, unknown
(mystery + description indicator)

mystery, the unknown
(knowledge + question mark: something known, but not fully understood)

nag (to)
(to say + to repeat + action indicator: to say repeatedly or over and over again)

naming ceremony
(ceremony + name)

naming ceremony
(religious ceremony + name)

nation (a)
(group + country: group of people organized under a single government)

net
(net + to catch)

neurologist
(doctor + central nervous system + thing indicator: physician who diagnoses and treats disorders of the nervous system)

New Testament
(holy book + after + Christ [contr.])

Noah
(man + boat + animal)

GLOSSES ONLY

noisemaker, musical toy (toy [contr.] + sound)
noon (hour + 12)
Nordic God(ess) (God + north)
North America (continent + north + west)
North Pole (earth + pointer to the north axis)
Norway (country + fjord)
not tasty, not good (tasty + negative + description indicator)
notary (person + paper + legal [contr.]: person working with legal issues)
notary (lawyer) (combination of legal person *and* law)
nut cracker (kitchen tool + nut)
obedience (action + by + rule [contr.]: act of doing something according to the rules)
occupational therapist (therapist + activity)
octopus (water creature + eight + arm)
odometer (gauge + far + thing ind.)
offer (to), sacrifice (to) (to give + Nordic God + action indicator: to make a sacrifice the Gods)
oil gauge (gauge + oil + thing ind.)
oil lamp (lamp + oil + thing indicator)
oil tanker (freighter + oil)
Old Testament (holy book + before + Christ [contr.])
omelette (egg + mixture + to heat [modified])
one storey building, bungalow (one + storey)
one storey home (one + combination of storey *and* home)

opener (hand tool + to open)
opera (play + music [contr.] + up and down: play and music portraying conflicting emotions and upsetting events)
ophthalmologist, oculist (doctor + eye)
optician (person + glasses)
orthopedist (doctor + bone)
orthoptist (therapist + eye [vision])
osteopath (person + hand + bone: person who treats medical disorders by manipulation techniques)
otolaryngologist (doctor + ear + nose + throat)
outdoor (house + dot outside)
oval shape (pictograph)
oven tray, cookie sheet (tray + oven)
overlay (paper + on)
overlay keyboard, concept keyboard, flexiboard (keyboard + plan)
paddle (two blades) (pictograph, containing water symbol))
paddle, oar (pictograph, containing water symbol)
palace (royal) (castle + crown) CHANGE
palmtop, handheld computer (tablet + little)
pancake, crêpe, tortilla (dish + horizontal line)
paper money, bill (money + paper)
parachute (combination of half of a *balloon* and *down*)
parachuting (sport + parachute)

GLOSSES ONLY

parasailing (sport + parachute + boat)
paraskiing (sport + parachute + skiis)
passenger (person + to ride)
pasta (food + flour: food made from [wheat] flour)
pasta salad (salad + pasta [contr.]))
pasta wheel (pasta + wheel)
paten, holy tray (plate + holy)
pedagogue (academician), teacher, educator (person + pedagogy) SYNONYM
pedagogue, teacher, educator (person + to exchange + knowledge) SYNONYM
pedagogy (body of learning + to exchange + knowledge)
paediatrician *** **(sp)** (doctor + child)
peer (person + same/equal)
Pegasus (horse + wings)
pencil case, pencil box (container + pencil/pen)
people, tribe, clan, folk (a) (group + view of life: group of people who share a common culture)
pepper (powder) (flavouring [contr.] + powder + pepper [contr.] + thing indicator)
pepper sauce (sauce + pepper [contr.])
perfect (perfection + descriptive indicator)
perfection (correctness + two intensity characters)

perform (to) (performance + action ind.)
performance, show (a) (action + showplace)
perseverance (action + to repeat + intensity: repeated performance of actions)
persevere (to) (perseverance + action indicator)
persuade (to), convince (to) (combination of to lead *and* to agree + action indicator)
pharmacist (person + medicine)
philosopher (person + causality)
philosopher (academician) (person + philosophy)
philosophy (body of learning + mind + causality)
philosophy (class) (knowledge + causality)
physics (class) (class [contr.] + physics [contr.])
physics (science + energy: science of matter and energy and of interactions between them)
physics (class) (class [contr.] + physics [contr.])
physiotherapist (therapist + muscle)
pickled (taste + sharp + description after the fact indicator))
pilot boat (boat + to guide)
pirate (sailor + to rob [contr.])
play (activity + happy [contr.]) Used in conjunction with a specifier.
play (a) (action + story)
poached egg (egg + to heat [modified]+ water: egg cooked in water)

GLOSSES ONLY

pod (pictograph)
pointer (hand pointing to something)
polder (Dutch) (earth + water + to delete: land protected by dykes which has been reclaimed from a body of water)
pole vaulting (sport + to jump + high + linear thing + thing indicator)
police force (group of + police officer)
polish (to) (to rub [contr.] + to shine + action indicator)
polisher (machine + to rub [contr.] + to shine)
polo (sport + horse +stick + ball)
polytheism (religion + many + God: belief in more than one God)
pool, snooker etc. (sport + table + many + ball) *Many* can be replaced by an appropriate number.
poor (poverty + description indicator) SYNONYM
Pope (leader + Vatican: bishop of Rome and leader of the Roman Catholic Church)
popsicle (cylinder + frozen)
porridge (porridge + cereal) SYNONYM
pot holder, oven mitt (protection + hand + hot)
pot stand, trivet (protection + table + hot)
pot, kettle (pictograph)
poverty (without + to own: state of being without possessions)
prawn (shellfish without claws + big)

preach (to) (to speak + to persuade + action indicator)
predict (to) (to prophesy + fact + action indicator)
pressure (enclosure + up and down: the arrows press against the top and bottom of the enclosure)
pressure gauge (gauge + pressure + thing ind.)
price rise (price + plus)
proclaim (to), announce (to) (proclamation + action indicator: to make a public announcement)
proclamation, announcement (to say + to disseminate: a public announcement)
promote (to) (promotion + action ind.)
promotion (activity + in order to)
prophecy (to speak + future: what is said about the future)
prophesy (to) (prophecy + action indicator)
prophet (person + to prophesy)
prosecute (to) (prosecution + action ind.)
prosecution (to speak + opposition + legal [contr.])
prosecutor (legal person + to accuse)
protective mask (protection + intensity + face)
protest (to), resist (to) (protest + action ind.)
protest, opposition (to speak + against)
protest, resistance (activity + against)
Protestantism (religion + Christ [contr.] + group: Christian religion, which emphasizes the importance of the congregation)

GLOSSES ONLY

protractor (gauge + angle + thing ind.)
psychiatrist (doctor + mind: physician who diagnoses and treats mental illness)
psychologist (person + knowledge + mind)
psychologist (person + psychology)
psychologist (researcher) (researcher + psychology)
psychology (science + mind: science of mental processes and behaviour)
psychology (body of knowledge + mind + feeling)
psychology teacher (teacher [contr.] + psychology [contr.])
pteradactyl (dinosaur + wings)
pudding, porridge (ex.), cream (pictograph)
pushboat (boat + to push)
quarter of an hour (15 + minute)
quills, spines (pictograph) CHANGE
racquet sports (sport + racquets)
railway track (track + train)
rain gauge (gauge + rain + thing ind.)
Ramadan (fast + month + Muslim: month of fasting observed by Muslims)
ramp (pictograph)
rapids (river + intensity + stone: part of a river moving fast over rocks in the river bed)
ravioli (pasta + filled)
reaching aid, grabber (aid + to bring + thing indicator)

reading lesson (lesson + to read)
real estate tax (tax + building)
recumbent bike (bicycle + person [lying down])
redo (to add + action + in front of + action ind.) SYNONYM
reflect (to), consider (to) (reflection + mind + action indicator)
reflection (vertical line + bent arrow: a ray of light strikes a mirror and is reflected back from it)
reflector (thing + reflection)
reflexologist (person + hand + foot: person who gives therapy, based on manipulation of different zones of the foot)
refrigerator, fridge (cupboard + cold) CHANGE
rehab/hab doctor (doctor + to advance + ability: physician who works to improve or restore physical abilities)
relay (to stop + to start)
relay (sport) (sport + relay)
religion (feeling + God: God-based religion) SYNONYM
religion (body of learning + religion)
religion (class) (class [contr.] + religion)
religion teacher (teacher [contr.] + religion)

GLOSSES ONLY

religion, naturalism (feeling + creation: doctrine that all religious truths are derived from nature) SYNONYM 2001
religious (religion + description indicator) SYNONYM
religious ceremony (ceremony + God-based religion) SYNONYM
religious event (event + religion)
religious gathering (gathering + religion)
religious leader (leader + religion)
religious service (service + religion)
remember (to) (memory + action ind.)
research (activity + science)
resurrection (up + dead: rising from the dead)
revelry (party + intensity: lively or boisterous gathering)
rice flour (powder + rice)
rice noodle (food + rice flour + line)
rice porridge, rice pudding (pudding + rice)
ride a horse (to) (activity + horse + action indicator)
riding hat (helmet + horse: helmet worn when riding a horse)
ritual (action + plan + to repeat: plan or procedures repeated over and over)
rob (to) (to steal + intensity + action ind.)
robber (person + to rob [contr.])
robot doll (machine + person + man-made)

roll (to) (to rotate + ground + action ind.)
roller ball (pointing device + ball)
rolling-pin (pictograph)
Roman Catholicism, Roman Catholic Church (religion + Vatican: the doctrines, practices and organization of the Roman Catholic Church)
rose (flower + love)
row house, attached houses (pictograph)
rowing (sport + boat + two + oar)
rowing boat (boat + two + oar)
rubber boat, dinghy (boat + air: rubber boat inflated with air)
rudder (pictograph)
rugby ball, football (North America) (pictograph)
rugby, football (North America) (sport + rugby/ football + legs and feet)
ruin (building + destroyed)
runes (alphabet + past + north)
running (sport + legs and feet + fast)
Russia (country + bear [contr.])
sacrament (Christian event + holy)
sacrament of absolution sacrament + to forgive)
sacrament of anointing of sick (sacrament + oil + illness)
sacrament of baptism (sacrament + water)

GLOSSES ONLY

sacrament of communion (sacrament + food: Christian sacrament in which consecrated bread and wine are partaken of)
sacrament of confirmation (sacrament + fire: Christian sacrament in commemoration of the flame of the Holy Spirit)
sacrament of holy orders (sacrament + person + belongs to + God)
sacrament of marriage (sacrament + marriage)
sacrifice (gift + Nordic God)
saddle (seat + horse)
sail (pictograph) 2001
sailing (sport + sailboat)
sailing boat (pictograph) 2001
saint (person + holy)
salad dressing (sauce + salad)
sale (activity + to sell)
sales tax (tax + to sell)
salmon (fish + jump + river)
salt (flavouring + sea + thing indicator) 2001
salt crystal (existing) 2001 GLOSS ADDITION
samosa, pirogue (bread + filled)
sanctify (to), consecrate (to) (holiness + action indicator)

sanctity of life (holiness + life)
sand play (play [contr.] + sand)
sand toy (toy [contr.] + sand)
sandman (make-believe man + to sleep: make-believe man who puts one to sleep)
sandwich (open face) (bread + spread) SYNONYM
Santa Claus, Father Christmas (man + beard + evergreen tree)
sap (liquid + trunk)
sap flavouring (flavouring + trunk + thing indicator)
Särimner (pig/boar + Nordic God: a boar which was slaughtered every evening and healthy again every morning)
sauce pan, milk pan (UK) (pictograph)
sauce, gravy, relish, dressing (spread + liquid) 2001
save (to), (computer) (combination of to keep *and* file + action ind.)
save as (to), (computer) (to save + name + action ind.)
save (to), (computer) (combination of to keep *and* file + action ind.)
scatter ashes (to) (to scatter + ashes + action indicator)
school (house + to teach [contr.]) Used in conjunction with a specifier.

GLOSSES ONLY

school bag (bag + book) Use appropriate classifier.
schooner (sailing boat + many + mast) *Many* can be replaced by an appropriate number.
science (causality + event)
science of religion (body of learning + religion)
science, body of learning (exists) 2001 GLOSS ADDITION
scientist, researcher (person + science)
scientist, researcher (person + research [contr.])
scooter (bicycle + legs and feet: bicycle operated with legs and feet) Vehicles have different names in different countries.
scooter (tricycle + electricity) Vehicles have different names in different countries.
scooter, prone board (combination of vehicle *and* board)Vehicles have different names in different countries.
Scotland (country + cloth: cloth representing tartan)
scrambled egg (egg + to heat [modified] + mixture)
scrumptious (tasty + one intensity character+ description indicator)
sea anemone (water creature + flower)
sea cucumber (water creature + oval shape)
sea lion (water creature with tail + to shout)
sea urchin (water creature + quills)
seal (water creature with tail + fur)

seaplane (airplane + water: plane that can land on water)
season (part of + year)
seat (pictograph)
seaweed (water + grass)
seize (to) (to get + intensity + action ind.)
select all, mark all (to select + all + action ind.)
semi-detached house (pictograph)
service (activity + plan)
serving spoon (spoon + to give)
shell fish (generalization + clam)
shellfish salad (salad + crab)
shellfish without claws (pictografic)
sheltered work-shop (house + protection + work)
shepherd (person + sheep)
shine (vertical line + two bent arrows [modified])
shine (to) (shine + action indicator)
shiny, glossy (shine + description indicator)
shiva (Hebrew) (week + to mourn)
shoal (school) of fish [new term]*** (group of + fish)
shoot (to) (gun + action ind.)
shooting sports (sport + gun)
shopping centre (group of + store)
shopping mall (building + shopping centre)

GLOSSES ONLY

short time home (home [contr.] + limited time)
shot put (sport + ball + metal [contr.])
shrimp (shellfish without claws + small)
side car (plus + cart [modified]: a car added to another vehicle)
side car motor cycle sport (sport + motor cycle + side car)
sign (to) (sign language + action indicator)
sign language (language + hand: language expressed with the hands)
silk (material + worm + cloth: textile fibre produced by silk worms)
silk fabric (cloth + worm: fabric woven from silk fibre [contr.])
silver (metal [contr.] + spoon)
single father (father + protection)
single mother (mother + protection)
single parent (parent + protection: one parent who offers protection to a child or children)
single parent family (single parent + star: family consisting of a single parent and a child or children)
siren of the woods (make-believe woman + tree)
Siv (wife + Thor)
size (measurement + big)
skating (sport + ice skates)
ski jumping (sport + skis + to jump)
skiing (activity + skis)

sky sports (sport + sky)
skyscraper (many + many + many + storey: building with many storeys)
slalom (sport + skis + to turn)
sled dog (dog + sled)
sled sport (sport + sled)
Sleipner (horse + Nordic God: Woden´s horse)
slice (thin + knife + thing indicator: a piece of food cut thin)
slice (to) (slice + action indicator)
sliced (slice + description indicator)
snack (food + between) SYNONYM
snorkling, scuba diving, deep sea diving (sport + under + water)
snow board (board + snow)
snow boarding (sport + snow board)
soccer, football (sport + ball + legs and feet)
sociologist (person + sociology)
sociology (science + life + group: study of human social behaviour)
soft cheese (cheese + soft)
software, computer program (plan + 1 + 0)
some day, any day (a + day)

GLOSSES ONLY

soul (spirit + person: the animating vital principal in man)
South Africa (country + springbok)
South America (continent + south + west)
South Pole (earth + pointer to the south axis)
spagetti (pasta + line) (2001
sparkling wine (wine + gas)
speech therapist (therapist + language)
speed (measurement + fast)
speed cycling (sport + bicycle + fast)
speed skating (sport + ice skates + fast)
speedometer (gauge + fast + thing ind.)
spell (to) (alphabet + action ind.)
spirit (feeling + to be: a feeling of being: a vital force, traditionally believed to be within living beings)
sport (activity + health) 2001
sport elf ("little person" + sport)
sport lesson (lesson + sport)
sport shop (store + sport)
spreadable cheese (cheese + spread: cheese used as a spread)
spring water (water + up)
springbok (horned animal + to jump)
squash (sport + racquets + room)

stander (wheeled) [* US Name?]** (combination of wheel *and* person [standing])
Star of David (symbol for Judaism + thing indicator) (2001)
starfish (water creature + star)
state tax (tax + province)
statement (to write + to say + legal [contr.]: testimony written down or recorded)
steal (to) (to take + negative + action ind.)
steam ship (boat + steam)
steamer (pot + steam)
stern (boat + pointer to the stern)
stew (combination of sauce *and* diced meat)
stick ball (sport + ball + bat [contr.] + thing indicator)
stone age (past time + stone [contr.])
storage jar, preserving jar (can + future)
store, shop CHANGE
storey, a floor, level, etage (pictograph + pointer)
stove top (stove + pointer to the top)
stuffed, filled (container, closed over + descr. after the fact ind.)
subject (of study) (part of + knowledge)
suit of armour (protection + intensity + body)
sulky (cart + small + horse)

GLOSSES ONLY

supernatural (nature + mind, at a higher level of consciousness)
support orally (to) (to speak + in order to + action ind.)
surf-board (board + wave)
surgeon (doctor + knife)
Sweden (country + three + crown: three crowns have been the symbol for Sweden since The Middle-Ages)
Swedish (language + Sweden [contr.])
Swedish (class) (class [contr.] + Swedish)
sweet drink (drink + sweet)
sweet shop (store + candy)
swimming (sport + swimming)
switch (tool + cause + action)
sword fish (fish + sword)
synchronized diving (sport + diving + design)
synchronized swimming (sport + swimming + plan)
synthetic material (material + chemical product + cloth: textile fibre produced by a chemical process)
syrup (flavouring [contr.] + liquid + sweet + thing indicator)
syrup from tree (flavouring [contr.] + sap + thing indicator)
table mat, placemat (protection + table)
table sports (sport + table)
table tennis (sport + racquets + table) (20001)

table top (table + pointer to the top)
tablespoon (spoon + big)
tablet (computer + hand)
tailor, dress maker, seamstress (person + to make + clothes)
tandem bike (bicycle + two + person)
tanker (freighter + liquid)
tasty, good (taste + positive + description indicator) 2001
tax (money + to govern [contr.])
teacher, pedagogue, educator (person + to teach [contr.]) Used in conjunction with a specifier.
team (group + sport: group which comes together to play a sport) SYNONYM
teaspoon (spoon + small)
telephone card (card + telephone)
telescope (tool + to see + star)
temporary home (home + limited time)
tennis (sport + racquets) (2001)
testify (to) (to say + observation + legal [contr.] + action ind.)
testimony (to say + observation + legal [contr.]: to state under oath what one has observed)
text phone (telephone + alphabet)
the dead (dead person + plural indicator)

GLOSSES ONLY

The Holy Trinity (God + 3 + life)
the Nordic countries (five + country + north)
the universe (all + planet)
theatre (building + to see + to hear)
theology, philosophy of religion (body of learning + God-based religion: system of religious beliefs and theories)
therapist (person + therapy) (2001)
therapy (mutual aid)
therapy centre, rehabilitation centre (building + therapy)
thief (person + to steal [contr.])
Thor (Nordic God + hammer: the God of thunder; his hammer made the lightning)
Tibet (country + dharma wheel)
tidal wave (wave + enormous)
tide (sea + water + back and forth: daily variations in surface levels of oceans)
timer (gauge + time + thing ind.)
tin (metal [contr.] + cup + past time)
tin, can (can + metal [contr.])
toboggan (sled + small)
tomato sauce (sauce + tomato)
tomb (place + coffin)
tombstone (stone + grave)

tooth fairy (fairy + teeth)
touch screen (screen + hand)
touchpad (pointing device + finger)
towboat, tugboat (boat + to pull)
tower (pictograph)
toy (thing + play [contr.]) Used in conjunction with a specifier.
toy shop (store + toy)
track (pictograph)
tragedy (play + sad [contr.])
traveller (person + travel)
trial (gathering + legal [contr.])
triathlon (sport + three + activity)
triceratops (dinosaur + three + horn)
troll (make-believe person + stone: trolls turn into stones when the sun rises) SYNONYM
troll (Scandinavia) (make-believe person + linear thing + buttocks + thing ind.: trolls have tails) SYNONYM
tuna fish (fish + huge)
two storey building (two + storey)
type (to) (to write + machine + action ind.)
Tyr (Nordic God + war: the God of war)

GLOSSES ONLY

tyrannosaurus rex (dinosaur + crown: the "King" of dinosaurs)
undo (to) (to take away + action + in front of + action ind.) SYNONYM
undo (to), (computer) (to jump backwards + action ind.) SYNONYM
unending (without + end + description indicator)
unfair, unjust (without + fair + descr. ind.)
unforgiven (without + forgiveness + description indicator)
unicorn (pictograph)
uninhabited (place + without + human being + description indicator)
universal, world-wide (world + all + description indicator)
up and down 2001
urn (vase + ashes: burial urn)
vacuum cleaner (machine + to remove + dirt)
Valhalla (house + Nordic God: home of the Gods)
vanilla (flavouring + pod + thing indicator)
vanilla (liquid) (flavouring [contr.] + liquid + vanilla [contr.] + thing indicator)
vanilla (powder) (flavouring [contr.] + powder + vanilla [contr.] + thing indicator)
vanilla sauce (sauce + vanilla [contr.])
vase, urn, trophy cup (pictograph)

Vatican, Vatican City (country + Christian: the Vatican is the seat of papal government)
vegetables (generalization + vegetable above ground)
veil (clothing + face)
vertical (right angle + pointer to vertical arm of angle + descr. ind.)
vestment (clothing + holy)
view of life (mind + action: how people think or act)
viking (man + horns + sword)
viking ship (boat + viking [contr.])
virus (computer) (program + to destroy)
vision, apparition (event + supernatural + to see)
volley ball (sport + ball + to hit)
waffle (food + grid: the waffle iron creates a grid pattern)
wake up (to) (to go + awake + action ind.)
wall climbing (sport + wall + to go up)
walrus (water creature with tail + teeth)
wash up (to), do the dishes (to) (to wash + glassware + action ind.)
watch tower, observation tower (tower + to observe)
water creature (the shape contains water) Used in conjunction with a specifier.
water cycle [*paddle boat??]** (boat + legs and feet: boat propelled by the legs and feet)
water ice lollipop (popsicle?) *** (lollipop + frozen)

GLOSSES ONLY

water meter (gauge + water + thing ind.)
water play (play [contr.] + water)
water polo (sport + ball + water)
water ski (ski + water)
water skiing (sport + water ski)
water sports (sport + water)
water tower (tower + water)
water toy (toy [contr.] + water)
waterfall (water + to fall)
watery (water + description indicator)
Wave (water + pointer)
weather forecast (prediction + weather)
website (name + place + world + 1 + 0)
weighing (weigh?) scale [alt. gloss?]*** (gauge + weight + thing ind.)
weight (measurement + weight)
weight lifting (sport + weight + thing indicator)
wheelchair bike (bicycle + wheelchair)
whisk, beater (kitchen tool + to mix)
wicket (pictograph)
wilderness (countryside + open/wild)
wind surfing (sport + windsurf-board)
windsurf-board (surfboard?) [* alt. gloss?]** (board + sail)
winter sports (sport + snow)

witch (make-believe woman + broom)
witness (person + to testify [contr.])
wizard (make-believe man + wand)
Woden (Nordic God + eye: Woden gave away one eye in exchange for wisdom)
wok (pictograph)
woman doll (e.g.Barbie) (woman + man-made)
work sheet (paper + to work)
working place (house + work)
wrestling (sport + to fight + mingling) (2001
writer, author (person + to write)
writing (class) (class [contr.] + to write)
written proclamation (paper + proclamation)
zoologist (person + zoology)
zoology (science + animal: biological science of animals)

SECTION III

THE FUNDMENTAL RULES

The fundamental rules of Blissymbolics: creating new Blissymbolics characters and vocabulary

Blissymbolics Communication International (BCI)

2004-09-28

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1.0 Introduction.

This document describes the basic structure of the Blissymbolics language, and outlines both the rules necessary to be followed for creating new BCI Authorized Vocabulary, as well as procedures used for adopting that vocabulary. This reference document will guide anyone wishing to use the Blissymbolics language. Its purpose is to ensure consistency and maintain the integrity of Blissymbolics as an international language. The formal process for the development of Blissymbolics is outlined in clause 9.

NOTE: A number of technical notes appear throughout the document in smaller type. These notes refer to a number of elements which are technical in nature, such as providing specific advice for font implementations (clause 4.3.6) or the need to keep the creation of new Bliss-characters to a minimum (clause 8.9). Many users of this document will not need to take these notes into account for purposes of teaching, but they are nonetheless important for vocabulary development work and do form a part of the official guidelines.

1.1 Target users.

This is a document intended to assist the following sets of users:

- Members of the Blissymbolics Development Secretariat (BDS) who oversee and manage vocabulary development (clause 9.1.1).
- Members of the Blissymbolics Development Panel (BDP) who develop new vocabulary items for approval (clause 9.1.2).
- Members of the Blissymbolics Editorial and Proofreading Committee (BEC) who inspect the exact shapes and glosses used to represent the vocabulary (clause 9.1.4).
- Members of the Blissymbolics Approval Committee (BAC) who decide which symbols go to the Board for approval. (clause 9.1.3.1).
- People working with Blissymbols who need to create new vocabulary, whether for temporary or permanent use.
- People who develop technology to support Blissymbols.

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1.2 **Purpose**.

Creation of terminology must be carried out according to the fundamental rules of Blissymbolics to ensure the integrity of the system. The structure of Blissymbolics allows the application of consistent principles as guidelines. The reason formal guidelines are necessary is twofold:

- Because Blissymbolics is a living language, there continues to be a need to create new vocabulary and so explicit guidelines are needed to ensure precision and accuracy in those Blissymbols comprising the BCI Authorized Vocabulary.
- Computer implementation imposes some restrictions which can be met more easily by following an explicit set of guidelines.

2.0 **Blissymbolics**.

Blissymbolics Communication International (BCI) is the international authority responsible for maintaining and extending the Blissymbolics language for the purposes of augmentative and alternative communication. The authority of the BCI rests in its usage of the language since 1971, its licence and copyright obtained through legal agreements with Charles K. Bliss in 1975 and 1982, and in BCI maintaining the policy for the development of Blissymbolics as contained in this document.

The BCI standard Blissymbolics language structure and vocabulary is based on and derived from Charles K. Bliss' work *Semantography* (1949). BCI develops Blissymbolics in accordance with the needs of its users, which include:

- national, cultural, and developmental differences;
- the maintenance of the logic of the system;
- the maintenance of Blissymbolics as a multicultural language;
- sensitivity to the practical and pragmatic needs for communication.

3.0 **Definitions**.

This document uses a number of terms in a technical way, and the definitions of those terms are given here.

3.1 **BCI Authorized Vocabulary**.

The vocabulary approved and published by BCI for the use of persons with communication, language, and/or learning difficulties.

3.2 **Bliss-character**.

A basic "building block" of Blissymbolics to be encoded as an individual indivisible unit. This can be called **character** or **Blissymbolics character** when context requires. Bliss-characters may appear alone with their basic semantic meanings. (In this document, the basic semantic meanings are given in SMALL CAPITALS, and other translations are given in *italics*.) Examples:

HOUSE MEDICAL KNOWLEDGE MONEY PLANT BOOK

Bliss-characters may also appear combined with other Bliss-characters to form other words. Examples:

hospital, clinic *school* *university* *bank* *greenhouse* *library*

NOTE: The term "simple symbol" was formerly used for what is now called a **Bliss-character**.

3.3 **Bliss-word.**
A Bliss-character used by itself with a specific lexical meaning, or a sequence of Bliss-characters with a specific lexical meaning. Bliss-words are separated from one another by a BLISSYMBOL FULL SPACE, or are followed by a BLISSYMBOL HALF SPACE and a punctuation mark. Bliss-characters within a Bliss-word are separated by a BLISSYMBOL QUARTER SPACE (see clauses 4.3.5 and 4.3.6). Can be called **word** or **Blissymbolics word** when context requires.

NOTE 1: It may be useful here to point out the similarity between Blissymbolics and other written languages. In English "I" and "a" are both single characters and complete words; "if" and "all" are examples of complete words made up of multiple characters. In Swedish, "å" is both a character and a word 'river', and "år" is two characters forming a word 'year'. In Blissymbolics, "⌂" is both a character and a word 'house', and "⌂⚘" is two characters forming a word 'bank'.

NOTE 2: The term "compound symbol" was formerly used for what is now called a **Bliss-word**.

3.4 **Gloss.**
The translation of a Bliss-word into another language, such as Norwegian or English. Example: the Blissymbolics word ◫ may be glossed by the Norwegian word 'bok' or the English word 'book'.

3.5 **Glyph.**
The actual drawn or printed representation of a shape or a Bliss-character, for instance as represented by different fonts. In most writing systems, characters can be distinguished from glyphs, since a single character may be represented by more than one glyph (example: a *a* **a** ***a*** are all glyphs representing LATIN SMALL LETTER A). In Blissymbolics, however, font variation in the shapes of characters is not permitted, because shape change can alter the meaning or interfere with legibility for some users.

NOTE 1: The character/glyph distinction is observed in the Universal Character Set, or UCS, an international computer standard for the interchange of data, which, in simplified terms, is intended to encode all the letters of all the alphabets of all the languages of the world. The UCS has two forms, the international standard *ISO/IEC 10646* and the industrial *Unicode Standard*. BCI has determined that a UCS encoding will greatly enhance the usability of Blissymbols on computers

NOTE 2: Blissymbols were first registered on 1993-01-21 as ISO-IR 169. This is a registration conformant to ISO/IEC 2375, suitable for use in ISO/IEC 2022 protocols. It is a lexicon-based encoding, as opposed to the proposed UCS encoding for Blissymbols, which is character-based. BCI has determined to update the ISO-IR registration when new vocabulary is adopted, and to ensure that it is possible to map data using the ISO-IR encoding and data using a UCS encoding.

3.6 **Indicators.**
Small Bliss-characters which are placed above other characters as grammatical or semantic markers.

NOTE: In the technical terminology used for the UCS, an indicator is called a "combining character". Indicators are non-spacing; that is, they combine with their previous character in the same way that the acute accent combines over the letter "á".

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3.7 **Kern**.
To eliminate the standard spacing between the glyphs of adjacent characters so that the glyphs do not appear too widely separated on a line (clause 4.3.6).

3.8 **Shape**.
Shape is the general term originally used to describe the basic graphic elements (dots, lines, and curves of various sizes, orientations, heights, widths, and spacing). Many shapes are also Bliss-characters.

3.9 **Symbol**.
A **Bliss-character** or **Bliss-word** (clauses 3.2 and 3.3).

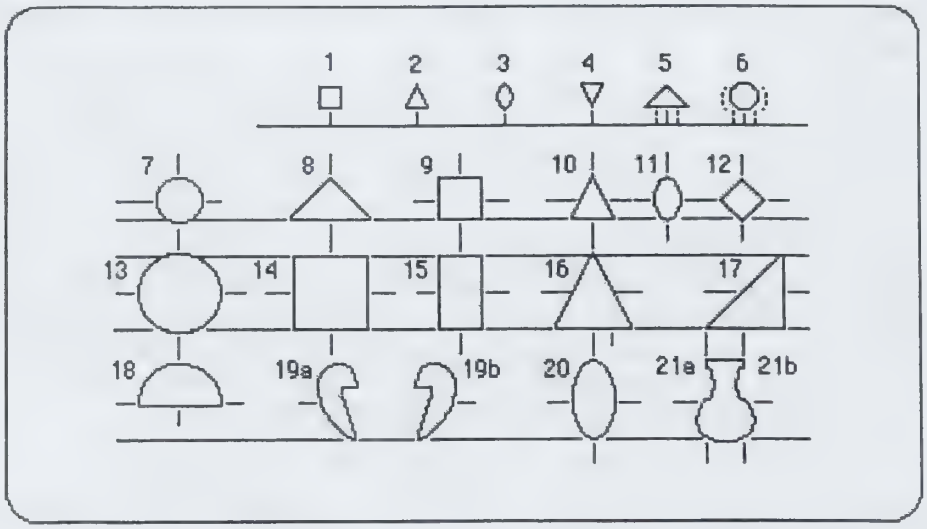
NOTE: This term **symbol** can be retained for general descriptions of Blissymbolics, but in teaching materials and formal documents, the terms **Bliss-character** and **Bliss-word** should be used.

3.10 **Synonyms**.
Two or more Blissymbolics words used to represent a single word in another language, or two or more words in another language used to represent a single word in Blissymbolics. See clause 6.4 for **Bliss-synonyms** and clause 5.3.2 for **gloss-synonyms**.

4.0 Graphic aspects of the language.

Blissymbolics is a concept-based language which makes morphemic use of graphic entities. Spoken languages make morphemic use of sounds; sign languages make morphemic use of hand positions, locations, and movements. (*Morpheme* is a linguistic term which refers to the smallest units of meaning in a language.)

4.1 **Geometric shapes**.
The BCI Template (1980) can be used to draw the geometric shapes used to form Bliss-characters in the BCI Authorized Vocabulary.



NOTE 1: The use of the BCI Template must be respected, regardless of the development of flexible font technology, in order to sustain – and restrict – the set of easily-recognizable shapes permitted in Blissymbolics.

4.1.1 **Basic geometric shapes**. Bliss-characters are derived from standard geometric shapes and segments of these shapes used in full, half, and quarter sizes and/or in various orientations. "Size" refers to the **matrix square** (see clause 4.3).

4.1.2 **Additional shapes** are used in full size only.

4.2 **International characters** are used in addition to geometric shapes.

4.2.1 **Digits** are used in half size.

0 1 2 3 4 5 6 7 8 9

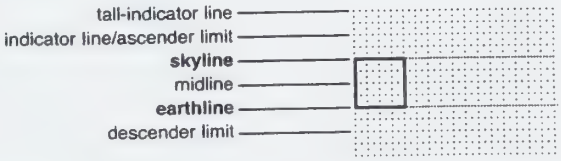
4.2.2 **Punctuation marks** are used.

. , ? !

4.2.3 **Arrows** are used in eight orientations.

4.2.4 **Pointers** are used in four orientations. For placement of pointers, see clause 4.3.7.

4.3 **The matrix square**.
The matrix for drawing a Blissymbol is a square.



4.3.1 **Skyline, earthline, and midline**. The top of the matrix square defines the skyline. The base of the matrix square defines the earthline. The midline is midway between the two. These lines are used as the reference points for measurement when positioning Bliss-characters to form words and sentences. Most Blissymbolics glyphs are positioned between the skyline and the earthline.

4.3.2 **Subdivisions of the matrix square**. The matrix square is subdivided into quarters, vertically and horizontally. In the vertical dimension the glyph of a Bliss-character extends no more than ½ of a matrix square above the skyline, and no more than ½ of a matrix square below the earthline. In the horizontal dimension the glyph of any individual Bliss-character *should not* be more than three matrix squares wide. Compare the examples below with the diagram in clause 4.3. *Pineapple* reaches the ascender limit, *onion* the descender limit. *Valley* is three matrix squares wide.

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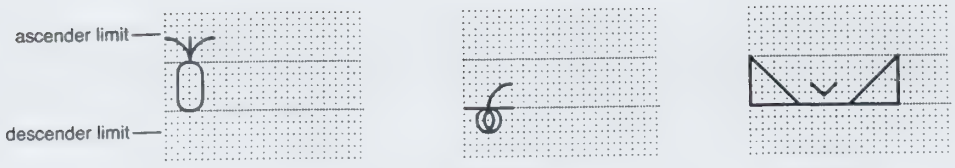
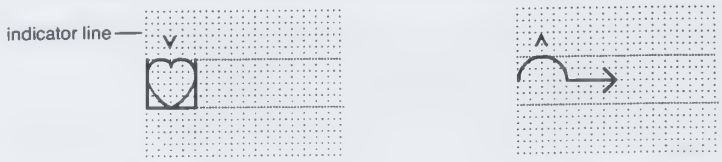


PINEAPPLE *ONION* *VALLEY*

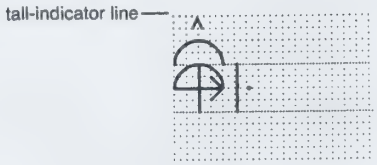
4.3.3 **General placement of indicators**. Indicators are located ¼ of the matrix square above the skyline (that is, hanging from the indicator line shown in clause 4.3). Indicators are usually centred above the glyph of a Bliss-character, but there are exceptions. See clause 7.1. Examples:



freely *to lead, to guide*

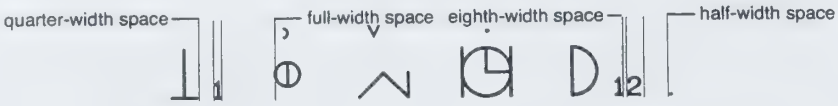
NOTE: Indicators normally appear above the first Bliss-character in a Bliss-word (see clause 7). Exceptions to this also occur: the Jewish month ט"ו בשבט *Tu B'Shvat* is written with a plural marker over the last element (MONTH/MOON + BIRTH + TREE + PLURAL INDICATOR).

4.3.4 **Exceptional placement of indicators**. In all cases in which the glyph of a Bliss-character extends above the skyline, indicators are located ¼ of the matrix square above the ascender limit line (that is, hanging from the tall-indicator line). See also clause 7.1. Example:



to forgive

4.3.5 **Width of spaces**. The space between characters forming a word is ¼ of a matrix square (the width is ⅛ of a matrix square between two digits). The space between the last character in a word and the punctuation which follows it is ½ of a matrix square. The space following punctuation or between two words in general is the full width of a matrix square.

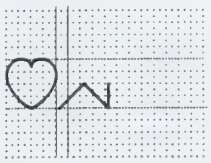


I was sick in December.

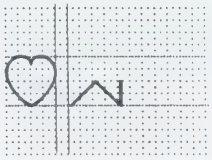
4.3.6 **Kerning**. When the glyphs of some Bliss-characters meet in a Bliss-word, the ¼ space between them is omitted entirely, either when drawing them with the BCI Template, or when represented in fonts or other graphic formats. There is no other variable kerning in Blissymbolics. (In ISO-IR 169 implementations, words are encoded, so kerning does not apply.)

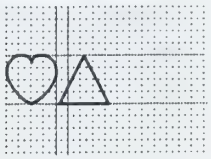
NOTE: The ¼ space between characters forming a word should be incorporated into the font glyphs themselves in order to optimize the encoding of text. Accordingly, the space between the last character in

a word and the punctuation which follows it in plain text is the BLISSYMBOL QUARTER SPACE (BQSP), which, when added to the inherent ¼ space in the font glyphs, equals ½ of a matrix square. The space following punctuation or between two words in general in plain text is the the BLISSYMBOL THREE-QUARTER SPACE (BTSP), which, when added to the inherent ¼ space in the font glyphs, equals a full matrix square. (This does not apply to ISO-IR 169 implementations.) BQSP is a non-breaking space; BTSP is a breaking space.

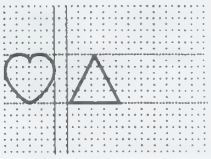


pain (kerned) not *pain (with QUARTER SPACE)*

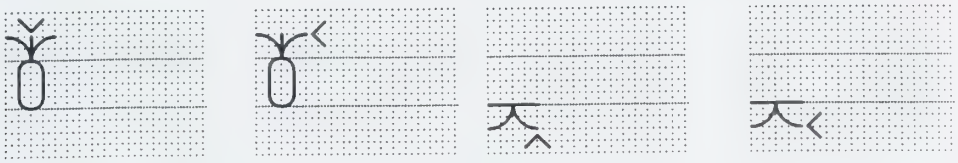




religion (kerned) not *religion (with QUARTER SPACE)*

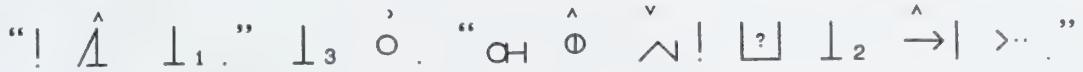


4.3.7 **Placement of pointers**. Pointers are located ⅛ of a matrix square from the part of the associated Bliss-character's glyph to which they point. In general, it is recommended to place the pointer on the right hand side of a glyph, unless it alters the meaning of the Bliss-character or is awkward to do this because of the placement of the graphic element to which the pointer relates. The highest and lowest positions possible for pointers are shown below (*these examples are not real Bliss-characters; they are only given to show the permitted pointer positions*).



When pointers are used in other semantic ways, as intrinsic parts of Bliss-characters, they may touch other glyph elements. Compare ⌣ 'on' with >| 'to'.

4.3.8 **Placement of punctuation**. Punctuation is preceded by a space ½ the width of a matrix square separating it from the Bliss-word. For the use of the comma within Bliss-words, see clause 8.7. The use of quotation marks generally follows the local language practice (for example, "English", « French », „German", "Swedish").



"Help me!" he said. "The baby is sick! Can you come here?"

5.0. **Bliss-characters**.

Approximately 900 basic characters derived from *Semantography* and other sources have been identified. Bliss-characters are used as components for generating new vocabulary. BCI maintains an established set of Bliss-characters and approves additions to it from time to time. Restricting the number of Bliss-characters has been recognized to be useful with regard to the user community as well as to technological implementation.

5.1 **Types of Bliss-characters.**
Bliss-characters may represent abstract or concrete concepts. Graphically, Bliss-characters can be arbitrary, ideographic, pictographic, or composite.

5.1.1 **Arbitrary Bliss-characters** usually are derived from Charles K. Bliss' *Semantography* and include such characters as:

THE *THIS* *A, AN*

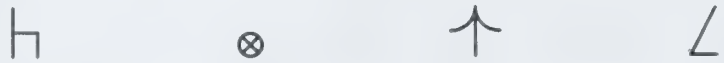
5.1.2 **Ideographic Bliss-characters** usually represent abstract concepts, described in *Semantography*. ("Ideograph" derives from Greek words meaning 'drawing an idea'.)

CREATION *MIND* *ACTION*

Ideographic Bliss-characters can also represent concrete concepts.

CHILD *TEEN* *ADULT*

5.1.3 **Pictographic Bliss-characters** usually represent ordinary objects. ("Pictograph" derives from Greek words meaning 'drawing a picture'.)



CHAIR *WHEEL* *TREE* *NOSE*

Pictographic Bliss-characters depict the physical appearance of an object and usually have a concrete meaning.

5.1.4 **Composite Bliss-characters** are unique characters in which two or more Bliss-characters have been superimposed (merged) or superposed (one above the other) to represent a new meaning. Examples of Bliss-characters with concrete meanings:

hail	*toilet*	*food*
ICE/DOWN	CHAIR/LIQUID	MOUTH/EARTH
(superimposed)	(superimposed)	(superposed)

Examples of Bliss-characters with abstract meanings:

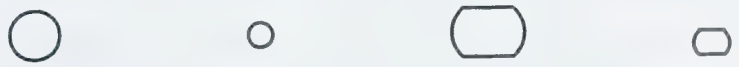
taste	*marriage*	*body of learning*
MOUTH/NOSE	PROTECTION/UNION	MIND/CREATION
(superimposed)	(superposed)	(superposed)

NOTE: When new composite Bliss-characters are created, they must be coded as new characters in the UCS (see clause 8.9 for discussion of the costs of this).

5.2 **Distinguishing features of Bliss-characters**.

The following examples show how the configuration of shapes determine the meaning of a Bliss-character:

5.2.1 The **size** of a Bliss-character can be relevant to its meaning.

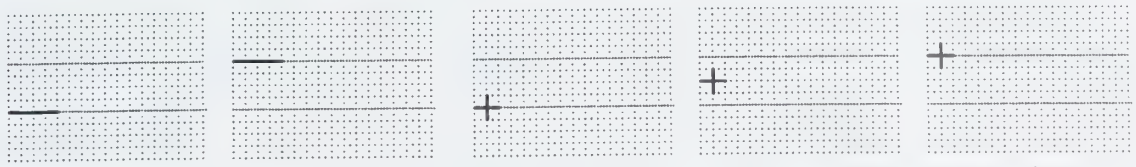


SUN MOUTH BODY BUN

Often, but not always, the size difference denotes a semantic relationship:

ACTION ACTIVITY LIVING BEING

5.2.2 **Position in relation to skyline and earthline** can be relevant to a Bliss-character's meaning.

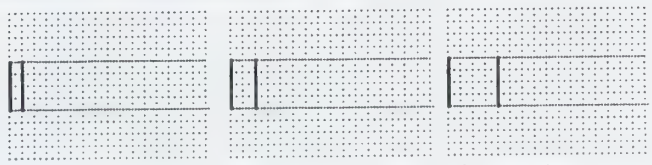


GROUND SKY BELONGS TO AND WITH THE HELP OF

5.2.3 **Orientation** of a Bliss-character can be relevant to its meaning.

MIND CONTAINER UP DOWN

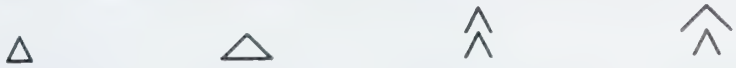
5.2.4 **Distance between graphic parts** can determine the meaning of a Bliss-character.



parallel *copy* *limits, limitation*

NOTE: Graphically, it would be possible to represent these as LINE + LINE, LINE + BQSP + LINE, and LINE + BTSP + LINE respectively (see clause 4.3.6). However, combining lines in this way to create these words would be formally incorrect, because the BQSP separates a Bliss-word from the punctuation which follows it, and the BTSP separates two Bliss-words; LINE is not a punctuation character, and *limits* is a single word, not "line line". It would also be conceptually incorrect, because the three words here represent root concepts, not combinations of lines. This needs to be considered when proposing new characters. →| 'come' is a root concept, not a combination of FORWARD + LINE; therefore it is encoded as a single character.

5.2.5 The **degree of angle** can differentiate between the meaning of Bliss-characters.



FEMALE (60°) MAKE (90°) WORK (60°) SON (90°)

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5.2.6 **Positional referents** can determine the meaning of a Bliss-character.

BEFORE AFTER ABOVE BELOW

5.2.7 **Arrows** in various orientations can determine the meaning of a Bliss-character.

STEAM RAIN

5.2.8 **Location of pointers** can determine the meaning of a Bliss-character. Pointers may appear in various orientations above, below, to the left of, to the right of, or within a Bliss-character's glyph (see clause 4.3.7).

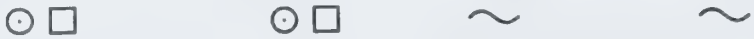
NECK CROTCH SIDE WAIST STOMACH CHEST

5.3 **Meanings of Bliss-characters**.
Bliss-characters have meaning individually and in combination.

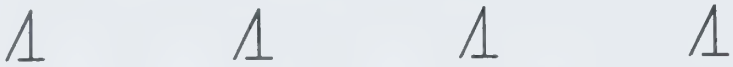
5.3.1 **Uniqueness**. In general, a Bliss-character represents a single concept.

> NOTE: A certain number of Bliss-characters do not occur by themselves with conceptual meanings, but have been included in the *Blissymbol Reference Guide* because they are "radical" or "root" elements; see the "Finding Symbols by Shape" section of the *BRG*. From time to time, meanings for these characters have been discovered subsequently. For example, the large wheel ⊗, which occurs only as part of the character ⊗⊗ 'tractor' or as a radical, could be used by itself to refer to the Buddhist 'Wheel of Dharma' (or, more generally, 'Buddhism'); compare ⊥⊗ 'Tibet'.

5.3.2 **Gloss-synonyms**. Each Bliss-character is usually associated with a word in another language. This word is referred to as a "gloss". A gloss may have synonyms. A gloss-synonym must be consistent with the Bliss-word's meaning. See also clause 3.10.



Gloss-synonyms: *shape* (EYE + THING) *form* (EYE + THING) WATER *liquid*



Gloss-synonyms: HELP *aid* *assistance* *support*

6.0 **Bliss-words**.

A Bliss-word represents a single concept and is spelled using one or more Bliss-characters.

6.1 **Spelling of Bliss-words**.

Bliss-words have standard correct spellings. These can be found in the BCI Authorized Vocabulary.

6.1.1 **Single-character Bliss-words**. Bliss-words are spelt with Bliss-characters. Some Bliss-words are spelt with a single character. These may be called *single-character* Bliss-words, or *simple* Bliss-words.

FEELING CHAIR TASTE

6.1.2 **Multiple-character Bliss-words**. Other Bliss-words are spelt with more than one Bliss-characters. These may be called *multiple-character* Bliss-words or *compound* Bliss-words.

thanks — FEELING + GIVE

school — BUILDING + GIVE + KNOWLEDGE

resource centre — BUILDING + FOR + EXCHANGE + KNOWLEDGE

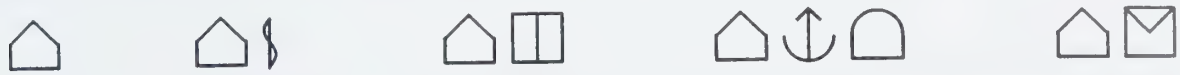
6.2 **Spacing of Bliss-words**.

See clauses 4.3.5 and 4.3.6. For the use of the comma internally in words (and not as a mark of punctuation), see clause 8.7.

6.3 **Classifiers and specifiers**.

A multiple-character Bliss-word is composed of a *classifier* followed by one or more *specifiers*. The classifier identifies the semantic and/or grammatical category to which the Bliss-word belongs (see clause 8.1). The specifiers refine the concept by describing or further defining a role, function, or other features (see clause 8.2). A multiple-character Bliss-word may also contain a *modifier* (see clause 6.5).

6.3.1 **Position of classifiers**. Multiple-character Bliss-words usually begin with a classifier in first position. (see clause 6.5 for exceptions).



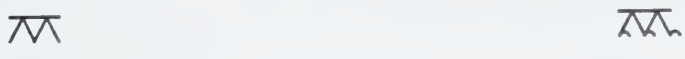
BUILDING

hospital — B. + MEDICINE

library — BUILDING + BOOK

school — B. + GIVE + KNOWLEDGE

post office — BUILDING + LETTER



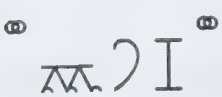
ANIMAL

FELINE, *cat*

tiger — FELINE + STRIPE

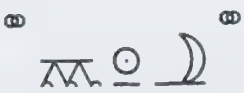
leopard — FELINE + SPOT

lion — FELINE + MANE



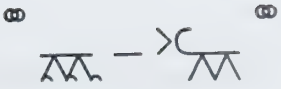
lynx

FELINE + EARS + BIG



panther

FELINE + COLOUR + NIGHT



manx cat

FELINE + WITHOUT + TAIL

NOTE: The combine modifier is used here to show that some of these vocabulary items have been invented by a user (see clause 6.5.4.5).

6.4 **Bliss-synonyms**.

To accommodate geographical, cultural, linguistic, and developmental differences, a concept may be represented by more than one Bliss-word. This means that synonyms are permitted providing a suitable rationale for each synonym is given. See also clause 3.12.

Cultural adaptation:

winter

= season 4

SUN + 4

winter (rainy regions)

= rainy season

SUN + 4 + RAIN

winter (snowy regions)

= snowy season

SUN + 4 + SNOW

Developmental adaptation:

ice cream

FOOD + TASTE + UP + ICE

ice cream

ICE-CREAM

6.5 **Modifiers**.

A special set of Bliss-characters is used as prefixes and suffixes to modify the meaning of Bliss-words. Most modifiers are prefixes. In multiple-character Bliss-words, **indicators** (see clause 7) are never applied to a modifier. See examples in clauses 6.5.1.5, 6.5.2.1, 6.5.3.1, and 6.5.3.2. There are four groups of modifiers, semantic modifiers, grammatical modifiers, numeric modifiers, and signalling modifiers. Substitution of modifiers is a productive strategy which can freely be used to expand the meaning of a Bliss-word.

6.5.1 **Semantic Modifiers**.

6.5.1.1 **Augmentation**. The character × 'group of, much, many' is positioned as the first character of the Bliss-word and can be applied as many as three times.

MUCH

lake

MUCH + WATER

ocean

MUCH + MUCH + WATER

6.5.1.2 **Intensity**. A more intense form of a word can be derived by adding one or more small exclamation marks to the end of a Bliss-word. These are positioned as the last characters of the Bliss-word and can be applied as many as three times.

— !

not, negative, no

NEGATIVE + INTENSITY

SPEAK

shout

SPEAK + INTENSITY

— ! !

no!, don't!

NEGATIVE + INTENSITY + INTENSITY

yell

SPEAK + INT. + INT.

scream

SPEAK + INT. + INT. + INT.

NOTE: Formal Blissymbolics terminology allows a maximum of three intensity modifiers.

6.5.1.3 **Privation**. The character – 'minus, without' is positioned as the first character of the Bliss-word.

MINUS, WITHOUT

no one

WITHOUT + PERSON

silence

WITHOUT + SOUND

6.5.1.4 **Opposition**. The character ⤵ 'opposite meaning' is positioned as the first character of the Bliss-word.

OPPOSITE

empty

OPPOSITE + FULL

none

OPPOSITE + ALL

6.5.1.5 **Generalization**. The character ♀ 'generalization' is positioned as the first character of the Bliss-word.

GENERALIZATION

cutlery

GEN. + KNIFE

furniture

GEN. + CHAIR + TABLE

6.5.1.6 **Constituence**. The character ÷ 'part of, division' is positioned as the first character of the Bliss-word.

PART OF

flame

PART + FIRE

province

PART + COUNTRY

6.5.1.7 **Temporality**. The words "ago", "now", and "then (future)" may be suffixed to a character denoting time.

yesterday

DAY + AGO

today

DAY + NOW

tomorrow

DAY + THEN (FUTURE)

last autumn

SUN + 3 + AGO

this year

YEAR + NOW

next January

MONTH + 1 + THEN (FUTURE)

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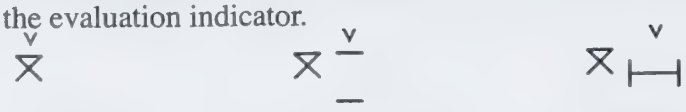
6.5.2 Grammatical Modifiers

6.5.2.1 **Comparatives**. The character ‘more’ is positioned as the first character of the Bliss-word. Note the position of the evaluation indicator.

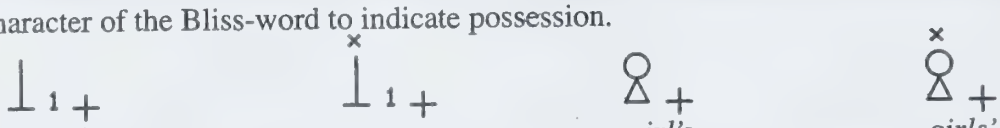
MORE — *higher* (MORE + HIGH) — *longer* (MORE + LONG)

6.5.2.2 **Superlatives**. The character ‘most’ is positioned as the first character of the Bliss-word. Note the position of the evaluation indicator.



MOST — *highest* (MOST + HIGH) — *longest* (MOST + LONG)

6.5.2.3 **Possession**. The possession modifier + ‘belongs to’ is generally frequently positioned as the final character of the Bliss-word to indicate possession.



my, mine (PERSON + 1 + BELONGS-TO) — *our, ours* (PERSON + 2 + BELONGS-TO) — *girl's* (GIRL + BELONGS-TO) — *girls'* (GIRL + PL. + BELONGS-TO)

the girl's book

GIRL + BELONGS-TO BOOK

The syntax of the possession modifier can be changed to better accommodate the linguistic environment of the Bliss-user:

le livre de la fille

BOOK BELONGS-TO + GIRL

The possession modifier is also often used as a productive wordbuilding strategy; see clause 8.0.

6.5.3 Numeric Modifiers

6.5.3.1 **Semantic Numeric Modifiers**. A number can be *prefixed* to a word, in which case it indicates the number of items.

week (seven days) — 7 + DAY

bicycle, “two-wheeler” — 2 + WHEEL

tricycle, “three-wheeler” — 3 + WHEEL

6.5.3.2 **Grammatical Numeric Modifiers**. A number can be *suffixed* to a word, in which case it indicates the ordinal. In some cases, as with people and animal classifiers (see clause 8.3), this functions as a pronoun.

1	2	3
I, me (first person)	*you (second person)*	*he, she (third person)*
PERSON + 1	PERSON + 2	PERSON + 3
7	2	7
July (seventh month)	*Monday (second day)*	*Saturday (seventh day)*
MONTH + 7	DAY + 2	DAY + 7

6.5.4 **"Signalling" Modifiers** indicate that the Bliss-word which follows is special or unusual in some way.

6.5.4.1 **Metaphor**. The character 'metaphor' or 'flowery speech' is positioned as the first character of the Bliss-word. When applied to a phrase, the metaphor modifier stands alone as a word.

METAPHOR	*sweet, nice*	*to smell a rat, to be suspicious*
	METAPHOR + TASTE + UP	METAPHOR + SMELL ANIMAL + TEETH

NOTE: 'Sweet' would be applied thus: 'a sweet boy'.

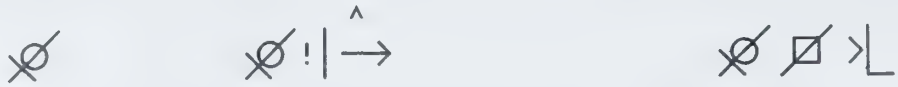
6.5.4.2 **Blissname**. The character 'Blissname' is positioned as the first character of the Bliss-word. Blissnames are used as a meaningful alternative to names which make use of alphabetic characters. Charles K. Bliss signed himself as "*Charles*" but a Bliss-user once called him "" 'Mr Symbol Man'.

Spiderman	*Harry Potter*
BLISSNAME + MAN + SPIDER	BLISSNAME + BOY + LIGHTNING

6.5.4.3 **Slang**. The character 'slang' is used to indicate "speech with feeling" (to indicate slang or informal speech) and is positioned as the first character of the Bliss-word.

SLANG	*shove off!*	*cool*
	SLANG + IMPERATIVE + GO	SLANG + ICE

6.5.4.4 **Coarse slang**. The character ⊘ 'coarse slang' is used to indicate "sharp speech" (to indicate vulgar speech, coarse slang, or obscenity) and is positioned as the first character of the Bliss-word.



COARSE SLANG *piss off!* *shit*

COARSE-SLANG + IMPERATIVE + GO COARSE-SLANG + WASTE + BUTTOCKS

6.5.4.5 **Combine modifiers** may be used productively to create *neologisms* or new words. The combine modifier allows the person who communicates using Blissymbols to express a new concept or a not available Bliss-word in a quick and easy manner. This feature adheres strongly to the uniqueness of languages which include the possibility of expressing an unlimited number of concepts. Words created by a user or instructor for personal use are marked by flanking combine modifiers at the beginning and the end of the Bliss-word. This calls attention to the fact that the word is not a part of the BCI Authorized Vocabulary. Examples of the combine modifier are found in clauses 6.3.1 and 8.2.1.

> NOTE: The combine modifier was formerly called the "combine indicator", but it is not really an indicator, although it hangs from the indicator line. Indicators are combining characters, but the combine modifiers are spacing characters (see clause 3.6).

7.0 Indicators.

Indicators are used as grammatical and/or semantic markers. Grammatical and semantic forms of an existing word may be created by removing, adding, or substituting the indicators listed below. Indicators as grammatical markers are deleted within a compound or combined Bliss-word. For exceptions see the note at clause 4.3.3. Semantic markers such as the thing indicator remain over the character /glyph within a compound or in a combination, being part of the concept of that character.

> NOTE: In UCS encoding, indicators are combining characters which immediately follow the Bliss-character to which they are applied.

7.1 Centring of indicators.

An indicator is generally *centred* above a Bliss-character (see clause 4.3.3). The centre-point of the action and evaluation indicators is aimed at the centre of the character it modifies even when dots before or after are present in the indicator (clause 7.3). In some long Bliss-characters, like ⌒↪, the pointer is aimed at the centre of the main constituent of the glyph.

> NOTE: In character-based encodings, an indicator immediately follows its base character in the data stream. The verb *to forgive* (shown in clause 4.3.4) is encoded FORGIVE + ACTION INDICATOR + AFTER.

7.2 Indicators as grammatical modifiers

7.2.1 **Verbs** are denoted by the use of action indicators that serve as verb tense and voice grammatical markers.

ACTION

PAST ACTION

FUTURE ACTION

PRESENT PASSIVE

PAST PASSIVE

FUTURE PASSIVE

PRESENT CONDITIONAL

PAST CONDITIONAL

FUTURE CONDITIONAL

PRESENT ACTIVE

Examples:

writes

wrote

will write

is written

was written

will be written

would write

would have written

would write (in future)

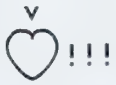
writes (transitive)

7.2.2 **Adjectives and adverbs** are denoted by the use of descriptive indicators that serve as descriptive grammatical markers. When translated into other languages, there is sometimes overlap between these parts of speech and verbal participles.

description

description before the fact

description after the fact



exciting, excitingly

excitable, excitably

excited, excitedly

7.2.3 The **plural indicator** is used to indicate more than one of a thing.

PLURAL INDICATOR

MIND

minds

7.2.4 **Nouns** in the singular generally carry no indicator (see clause 7.3.1).

7.3 Indicators as semantic modifiers

7.3.1 The **thing indicator** is a semantic marker which is used, when necessary, to differentiate between abstract and concrete nouns. Its meaning is integrated into the concept itself. Examples of abstract and concrete nouns:

THING INDICATOR

MIND

brain

THING INDICATOR

TIME

clock

NOTE: The thing indicator is treated in its presentation the same as all other indicators. It interacts with the plural marker as shown below in clause 7.3.2.

7.3.2 The **plural thing indicator** is used to show plural forms of concrete nouns

PLURAL OBJECT INDICATOR

brains

PLURAL OBJECT INDICATOR

clocks

8.0 Wordbuilding strategies for vocabulary extension.

These strategies, making use of modifiers and indicators (clauses 6 and 7), can be used to arrive at a concept which is not represented in a user's vocabulary. For instance, to arrive at the concept for "stamp", the user could first indicate + "belongs-with" and then indicate ✉ "letter"; they would be written with a quarter-space between the two characters as in clause 6.5.2.3. When applying these strategies combine modifiers are not needed. These strategies can also be used to continue to build on a series of concepts. While new Blisswords created in accordance with these strategies may not be part of the published BCI Authorized Vocabulary, they may be used, for example, in children's books and educational materials. It must be noted that these strategies cannot be used for the creation of new characters or for choosing the classifier to be used in a new series, such as the new "class" and "sport" classifiers.

8.1 **Substitution of classifiers**. Related characters, which represent the same concept or belong to the same superordinate category, may be substituted as classifiers within words as appropriate in order to make meanings more specific if required. For example, the characters ⌂ 'building', ⊐ 'room', and ⊐ 'public room' are all appropriate classifiers which can represent "hall" in ⌂⊃d, ⊐⊃d, or ⊐⊃d 'concert hall'; ⅄ 'man' and ⅄ 'woman' are appropriate classifiers which can replace ⊥ 'person' in ⊥⚓⌂ 'teacher'.

kitten *puppy* *calf* *foal*

8.2 **Addition of specifiers**. Specifiers are added adjectivally to build new words. A concept can be made more precise through the addition of a specifier.

tomcat *queen*

For more examples of substitution of specifiers to create new vocabulary, see clause 6.3.1.

8.2.1 **Precision of specifiers**. The specifier should be as precise as possible to avoid ambiguities. Consider the following established Bliss-word:

goose

WATER-BIRD + BIG

It could be said that WATER-BIRD + BIG might be interpreted to mean 'pelican' or 'flamingo'. Additional specifiers can easily be added to expand the vocabulary: 𐌉 𐌉 ○ ◡ 'pelican' (WATER-BIRD + BIG + MOUTH + CONTAINER), 𐌉 𐌉 ∿ 'flamingo' (WATER-BIRD + BIG + SNAKE) or 𐌉 𐌉 ⊖ ○ ⚓ 'flamingo' (WATER-BIRD + COLOUR + MOUTH + SNOW (PINK)). The combine modifier is used here to show that some of these vocabulary items have been invented by a user (see clause 6.5.4.5).

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Another example of a weak word in the BCI Authorized Vocabulary:

potato

VEGETABLE UNDER GROUND + COLOUR + SNOW (= WHITE)

COMMENT: There are other white tubers (jerusalem artichoke, cassava); some users might find "snow" to be a confusing element.

8.2.2 **Substitution of specifiers**. A concept can be made more precise by substitution of a specifier. For example, when creating a specific pasta, substitute an appropriate shape for the tube. In the example below, the classifier is a compound Bliss-word, 𝅝.:𝄐 'pasta' (FOOD + GRAIN + POWDER). Note the substitution of 𝄐 RICE for 𝄐 GRAIN in 'rice noodle'.

pasta *lasagna* *macaroni* *ravioli* *spaghetti* *rice noodle*

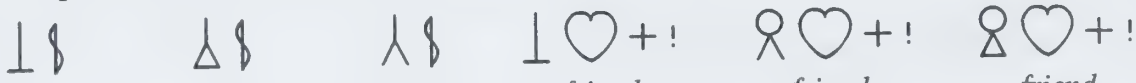
country *Canada* *Ireland* *Israel* *Sweden* *U.K.*

8.3 **Personalization of pronouns**. It is possible to personalize pronouns to make them more meaningful. One can substitute animal characters into pronouns, but this is a special narrative device and should not be generally used. (It is an instance of classifier substitution.)

you *you (woman)* *you (man)* *you (boy)* *you (girl)* *you (dolphin)*

NOTE: Spellcheckers should take these possible substitutions into account.

8.4 **Personalization of the person character**. One may substitute man, woman, boy, girl, child, baby, etc. for person in any compound word.



doctor *doctor* *doctor* *friend* *friend* *friend*

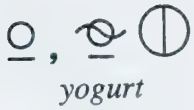
NOTE: Spellcheckers should take these possible substitutions into account.

8.5 **Personalization of the animal character** can be very useful, for instance, in children's books.

Papa Bear *Mama Bear*

8.6 **Pointers**. It is possible to create new characters by using the pointer (see clause 4.3.7). When a pointer is added to a Bliss-character, a *new* Bliss-character is created (see clause 8.9).

8.7 **Commas**. Commas are inserted between the Bliss-characters of some compound Bliss-words. The separation of meaningful elements helps one to interpret the total meaning of the Bliss-word.



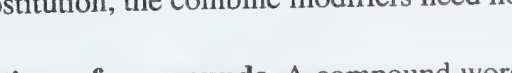
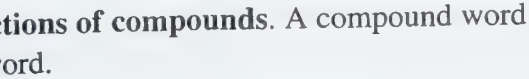
yogurt

FOOD + COMMA + DRINK + LIFE (MILK)

snack

MUCH + FOOD (MEAL) + LITTLE

Here, the COMMA shows the hierarchy of meaning. *Yogurt* is a FOOD made of MILK (the DRINK of LIFE), not a FOOD-DRINK of LIFE. A *snack* is a MEAL (A LOT of FOOD) which is LITTLE, not A LOT of LITTLE FOOD.

NOTE: When the COMMA is not used as punctuation, the ¼ space rule (clause 4.3.5) applies to it as it does to any other element in a Bliss-word. When used as punctuation, it is followed by the BTSP (see the note in clause 4.3.6). Inputting software should not automatically insert a BQSP after a COMMA, since it cannot be predicted what role the comma will play. Compare the sentence  . 'he eats food, milk, and dessert' with the sentence  . 'he eats yogurt, and dessert'.

When combine modifiers are used to create a new Blissword, commas are often helpful to separate Blisswords included in the combination (1/4 space on each side of the comma within the combination).

8.8 **Deletion of combine modifiers**. When a new Bliss-word is made by simple classifier or specifier substitution, the combine modifiers need not be used.

8.9 **Contractions of compounds**. A compound word may be contracted when used as a component in another word.

vistor

PERSON + VISIT

welcome

FEELING (+ PERSON) + VISIT

8.10 **Creation of new Bliss-characters**. When sequencing of existing Bliss-characters is not deemed adequate to express a new concept, new Bliss-characters may be devised from established BCI Template (1980) shapes provided that the need for the new character can be demonstrated to the satisfaction of the Blissymbolics Development Panel. *Such justification shall* ***explicitly*** *explain precisely why existing characters in sequence cannot describe the concept adequately.* See clause 5.0.

NOTE: The reason for this rule is to reduce costs to users and implementors – costs in terms of the time it takes to encode new characters and the expense of updating and acquiring new software. BCI recognizes that in some cases it will be necessary to add characters from time to time, but in order to minimize costs, the creation of new Bliss-words using sequences of existing characters should *always* be preferred because there are no additional costs involved in such sequencing.

8.10.1 **Conciseness of new Bliss-words**. Whenever possible, new words devised should be concise, to provide the maximum amount of information with the smallest number of graphic components. The communication and cognitive requirements of the users, who have communication, language, and/or learning difficulties, should of course be borne in mind.

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8.10.2 **Graphic characteristics of new Bliss-characters**. Pictographic and superimposed Bliss-characters' glyphs should use standard segments of lines and be as visually simple (uncluttered) as possible. Whenever possible, the smallest number of lines to convey the maximum amount of information. Example: ‘dolphin’ is an elegant character which is both pictographic and conceptual, combining the ‘mind’ and ‘water’ characters with a fish tail, describing both the shape and characteristics of these intelligent mammals.

9 The Blissymbolics development process

9.1. The BCI organization for the development of Blissymbolics

Blissymbolics vocabulary and grammar development is organized in stages to ensure continuity and consistency in development work. Five different levels within the BCI structure are involved in working together in the creation of new Bliss vocabulary, including Bliss-characters and Bliss-words.

9.1.1 Blissymbolics Development Secretariat

The Blissymbolics Development Secretariat (BDS) is responsible for leading the on-going development of Blissymbolics as a written language to be used for communication by persons with communication, language and learning difficulties. The BDS works in interaction with working groups and individual contributors to enlarge and refine the language of Blissymbolics. The Blissymbolics Development Secretariat is appointed by the Board of Directors on the basis of recommendations from the biennial BCI Affiliate meeting for a period of operation of two years, renewable. The BDS has one representative on the BCI Board of Directors.

- The BDS shall:
  a) coordinate and provide leadership to the development of Blissymbolics by BCI.
  b) exercise its own initiative in the development of proposals for improvement to the system, including recommendations to the Board of Directors re changes in the fundamental rules.
  c) prepare for final approval all recommendations in regard to the addition, alteration, or deletion of standard Bliss-words and other features of the Blissymbolics language.
  d) After Bliss-words have been approved by the Blissymbolics Approval Committee, the BDS will assign the code positions to the Bliss-words, Bliss-characters, grammar markers and other features in order to update the ISO/IEC 2375 registration and will send the numbered Bliss-words to The Blissymbolics Board of Directors.

9.1.2 The international **Blissymbolics Development Panel** (BDP) consists of Working Groups and Individual Contributors. The BDP engages in discussion with the BDS to achieve consensus on the developing vocabulary.

Working groups and individual contributors

- Working groups are national, cultural, language-based or topic-based groups of people working on the development of Blissymbolics. Each working group appoints one of its members to coordinate its work, and to act as correspondent with the BDS.

- Individual Contributors are persons working on the development of Blissymbolics, who are unable to meet regularly with a working group and who correspond directly with BDS.

9.1.3 **Blissymbolics Approval Committee and Grammar Committee**

9.1.3.1 The **Blissymbolics Approval Committee (BAC)** is an independent committee of experts appointed by the BCI Board of Directors for two years renewable. The members of BAC must not be involved in other Blissymbolics development work or be involved in any other current Blissymbol activities which might cause them to have a conflict of interest in making decisions within the final approval process. The BAC is responsible for deciding which symbols go to the Board for final approval.

9.1.3.2 The **Blissymbolics Grammar Committee (BGC)** is an advisory committee appointed by the BCI Board of Directors, with the purpose of expert advice and consultation to BAC on grammatical issues. The term of office is two years renewable.

9.1.4 The **Blissymbolics Editing and Proof-reading Committee (BEC)** is appointed by the BCI Board of Directors for a period of two years renewable. The Committee has the responsibility for:

- proof-reading and confirming the graphic accuracy of all Bliss-words, Bliss characters and features of the system before being submitted for approval by the BAC with the explanations being given.
- editing and confirming the accuracy of the gloss, the gloss synonyms, and the derivations relating to the composition and explanations, which accompanies vocabulary items before being submitted for approval by the BAC.

9.1.5 The **Blissymbolics Board of Directors (BBD)** gives final authorization to the new Bliss-words presented to them by the BDS with their ISO numbers having been assigned, to be included in the BCI Authorized Vocabulary and to be added to the ISO/IEC 2375 registrationof Blissymbols.

9.2 **Guidelines for the development of Blissymbolics**

9.2.1 **Requests, suggestions and proposals**

- Requests, suggestions and approvals for vocabulary are generally designated to and developed in categories covering linguistic or conceptual fields. The practice of developing new Bliss-words within the context of a linguistic or conceptual field is used to ensure that the developmental work is carried out in accordance with the logic of the system.
- Requests and suggestions for new vocabulary or grammar or features of the system can be submitted for consideration to the BDS by any Bliss user, caregiver or professional within the field.
- Those proposal Bliss-words are encouraged to include definitions and explanations of these Bliss-words using the Blissymbolics Reference Guide as a reference.

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9.2.2 **Questionnaires**

- Requests, suggestions and proposals for new vocabulary and grammar can be organized in questionnaires and distributed by the BDS to working groups and individual contributors for their consideration and comments.
- New vocabulary can also be proposed, discussed and agreed on at international panel meetings.
- Blissymbolics development is an interactive process. A linguistic or conceptual field under development may require one or more successive questionnaires for refinements of the new vocabulary, grammar or features of the system.

9.2.3 **Specialist consultation**. In developing Blissymbolics within a certain conceptual field, consultations with one or more specialists are recommended in order to determine the best way of representing the group of concepts for international use and to identify the distinguishing features of the concepts being symbolized. A specialist can be a professional within a field.

9.2.4 **Meetings**

- Blissymbolics Developmental Panel Meeting: Blissymbol development meetings are normally held every second year or more often if the work so requires. The BDS prepares the program of the Blissymbolics development work for these meetings. Participants at the international meetings are representatives from working groups and individual contributors. The needs of different nations, cultures and language groups should be considered when planning the participation at the meetings.
- Informal ad-hoc meetings: Informal ad-hoc meetings (the so-called "kitchen table" meetings) are recommended on anyone's initiative, to prepare a linguistic or conceptual field to be submitted to the BDS.
- Working Group Meetings: The working groups are responsible for organizing their own meetings.

9.2.5 **Summary of Development Process**

- Proposals for new Bliss-words can be sent out in questionnaires and discussed at least one international Blissymbol development meeting in order to reach an agreement with regard to each new Bliss-word. An informal voting procedure may be used when an agreement cannot be reached. If new information about a concept is received the Bliss-word can be brought forward for renewed discussion.
- The BDS decides when new Bliss-words are ready to be brought to the Editing/Proof-reading Committee.
- The Editing/Proof Editing Committee is responsible for the accuracy of the graphic and gloss of new Bliss-words, new Bliss-characters, of the final forms of the Bliss-word and Bliss-character explanations and of the gloss in English.
- BAC rules on all aspects of the integrity of the proposed new Bliss-words and Bliss characters. Unacceptable Bliss-words and Bliss characters are returned to the BDS together with their reasons for their unacceptability.
- BDS sends the rejected Bliss-words and Bliss characters to the Panel. If neither BDS nor the Panel agree with the decision of BAC, an Appeal process can be put into place. The disputed Bliss-words and Bliss characters can be sent directly back to BAC. In cases of disagreement,

the BCI Board is the final decision maker. The BDS assigns the provisional ISO numbers (code positions) for the ISO/IEC 2375 registration.

- BAC recommends to the BCI Board of Directors new Bliss-words and new Bliss-characters for their approval and their inclusion in the authorized vocabulary.
- BCI Board of Directors has the final authority for accepting into the BCI Authorized Vocabulary the Bliss-words and Bliss-characters recommended by the BDS, in the form authorized by the Proof-reader/Editor, and approved by the BAC.
- Dissemination of new Bliss-words: The BDS sends the new Bliss-words to the BCI Affiliates and Associates Committee for dissemination to Panel members, Affiliates and Database Committee. The new Bliss-words having been authorized by the Board of Directors are transferred to BCI for publication on the web.

9.3 **Criteria for the evaluation of new Bliss-words and Bliss-characters**

9.3.1 Blissymbolics is used by persons with communication difficulties. This implies that the special needs of these persons are taken into consideration in the developmental work. New Bliss-words and Bliss-characters are therefore developed to respond to:

a) the needs of persons at all levels of development
b) the needs of persons with language and learning difficulties. This may require special Bliss-word synonyms for persons functioning at a lower developmental level
c) the life situations of AAC users

9.3.2 New Bliss-words and Bliss-characters are developed in accordance with the Fundamental Rules of the Blissymbolics language.

9.3.3 New Bliss-words are developed with regard to:

a) national and cultural differences
b) the maintenance of the logic of the system
c) the maintenance of Blissymbolics as a multicultural and international language
d) the maintenance of a language that can be used by persons with communication difficulties (See clause 2.0)

9.3.4 **Guidelines for approval of new Bliss-words**

a) The Bliss-words must accurately reflect the meaning of a concept (For conciseness, elements can be eliminated, but the remaining elements must still reflect the concept accurately.)
b) For concepts with many possible different labels or glosses the basic meaning of a concept as it is used in communication, should be represented in the Bliss-word.
c) Bliss-words must be easy to explain.
d) Bliss-words must be graphically effective
e) Bliss-words must be concise. They should be short rather than long.
f) Bliss-words must be easy to learn. The explanation should be logical enough to be easy to remember.

9.3.5 **Guidelines for approval of new Bliss-characters**. New Bliss-characters may be created only in exceptional cases. Those exceptions are:

- to represent an important often used concept not available in the present standard vocabulary
- to represent a concept used in a group of Bliss-words
- to represent a Bliss-word synonym for an important concept, which has been developed based on the needs of the users
- when proposing a new Bliss character, an explanation must be given as to why the concept cannot be represented by sequencing existing Bliss characters. This explanation must be recorded and retained by the BDS until the new character has been encoded in ISO/IEC 10646. and Unicode

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11. **The history of Blissymbol standardization**.

Since the first application of Blissymbolics in 1971 with children at the Ontario Crippled Children's Centre (OCCC, now the Bloorview-MacMillan Children's Centre) in Toronto, procedures have been established to maintain the accuracy, consistency and integrity of symbols included within the BCI Authorized Vocabulary.

The first set of Blissymbols used by children was drawn by Jim Grice, OCCC draftsman, under the supervision of Margrit Beesley and monitored by Charles K. Bliss. The rules for their representation were formulated as the drafting work proceeded. These rules were integrated into the training and publications developed by the OCCC team until 1975. This practice was continued by Blissymbolics Communication International (established in 1975 as Blissymbolics Communication Foundation, re-named Blissymbolics Communication Institute, Easter Seal Communication Institute, and finally Blissymbolics Communication International), under the direction of Shirley McNaughton.

During the early 1970s, Blissymbols were drawn following the model of a rudimentary template appearing in the first edition of *Semantography* (Bliss 1965). A refined template was designed by Patricia Bailey and produced in the United Kingdom in 1976. This was made available to all national groups teaching Blissymbolics and served as the standard for the drawing of new and established Blissymbols.

In 1976, Jinny Storr was named the first Symbol Officer, and charged with the responsibility of documenting the rules of constructing Blissymbols while working with Charles K. Bliss to further develop the BCI Authorized Vocabulary. In this role Jinny Storr served in a volunteer capacity until 1983. During her watch, the BCI Authorized Vocabulary was published in *Blissymbols for Use* (Hehner 1982), containing 1,400 Blissymbol words. At the time of writing this document, Jinny Storr continues to volunteer as BCI's most knowledgeable and greatly appreciated consultant.

In 1983, the Board of Directors passed a motion presented by Dr. Richard Storr that established policies, a plan of organization and administrative practices with regard to the development of Blissymbolics (see clause 9). Resulting from this decision, a Symbol Secretariat was established with Claudia Wood hired to work as its Symbol Officer. Her first responsibility was the development of a formal set of Fundamental Rules for the Standard Blissymbolics of Blissymbolics Communication International and providing the training and support for this document. To this end, mailings and meetings of the International Symbol Panel were undertaken throughout the 1980s, culminating with the publication of the *Blissymbol Reference Guide* (Reich, Storr, and Wood 1992) containing 2,300 Blissymbol words. In this publication, the technology used to provide the standard for the printing of the Blissymbols was the Reich font (1989). In 1993, a two-byte graphic character set of the 2,304 Blissymbol words appearing in the *Blissymbol Reference Guide* was registered with the International Organization for Standardization (ISO-IR 169, 1993-01-21). Claudia Wood provided leadership as Symbol Officer until 1991 when the manuscript for the *Blissymbol Reference Guide* was completed.

In 1996, At the BCI Affiliate Meeting in Vancouver, the responsibilities of the Symbol Secretariat were formally transferred to Britt Amberntson, Margareta Jennische, and Kirsten Lörström of Sweden. They have continued the role of very capably overseeing the work of the Blissymbolics International Panel and the ongoing development of the BCI Authorized Vocabulary through to the present.

In 1998, at the BCI Affiliate Meeting in Dublin, an ad hoc group (Michael Everson, Gillian Hazell, Shirley McNaughton, Annalu Waller, Judy Wine) was charged with the task of preparing a new single document to build on the original Fundamental Rules, provide a comprehensive set of guidelines, and address the concerns of ensuring compatibility of Blissymbolics with the Universal Character Set (UCS). Discussion and work on this document continued with those present at meetings of the International Panel and of Affiliates in Capetown, South Africa; Washington, USA; Bala, Canada; Furuboda, Sweden; and Charlbury, UK. The present document is the result of the ad-hoc group's work and this further study. The Blissymbols appearing in this document were produced by the character-based TrueType font for Blissymbolics under development by Michael Everson, 2004.

Figure 1. Summary of the Blissymbolics development process

Blissymbolics Development Panel (BDP)

Working groups and individual contributors suggest to the Blissymbolics Development Secretariat vocabulary that should be added covering linguistic or conceptual fields. Working groups and individuals are encouraged to hold informal ("kitchen table") groups where possible.

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Blissymbolics Development Secretariat (BDS)

Distributes questionnaires to the panel for feedback on proposed symbols, and hosts discussions of the symbols including international panel meetings. After agreement is achieved among the Panel, BDS sends the new symbols to the Blissymbolics Editing and Proofreading Committee. When received back, corrections are made based on the feedback of the BEC and the corrected symbols are forwarded to the BAC.

↓ ↑

Blissymbolics Editing and Proof Reading Committee (BEC)

Proof reads the proposed new symbols checking for the accuracy of the graphic representation, of the English gloss, of the derivation, and of the explanation and that these are all in compliance with the Fundamental Rules for Creating Blissymbols in all respects.

Unacceptable symbols

Blissymbolics Approval Committee (BAC)

The BAC rules on all aspects of the accuracy of the proposed new symbols. They forward acceptable symbols to the BDS for ISO number assignment. The new Bliss-words are then sent to the BBD for final authorization to be included in the BCI Authorized Vocabulary. Unacceptable symbols are sent back to the BDS together with the reasons for their unacceptability.

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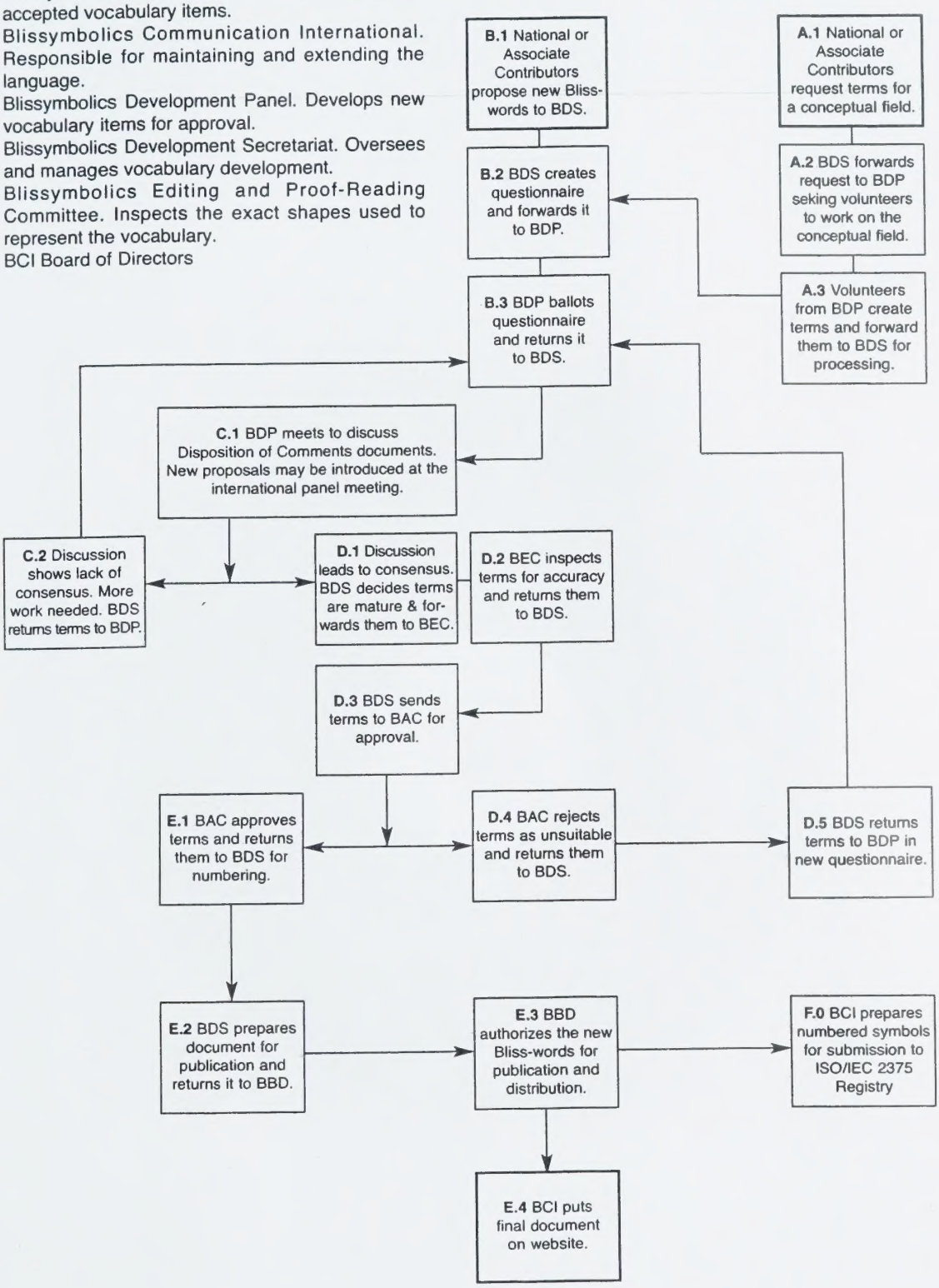
Blissymbolics Board of Directors

Provides final ratification of proposed set of new symbols for entry into the database and for publication and world-wide distribution.

Figure 2. Flow chart of the Blissymbolics development process

BAC: Blissymbolics Approval Committee. Finalizes accepted vocabulary items.
BCI: Blissymbolics Communication International. Responsible for maintaining and extending the language.
BDP: Blissymbolics Development Panel. Develops new vocabulary items for approval.
BDS: Blissymbolics Development Secretariat. Oversees and manages vocabulary development.
BEC: Blissymbolics Editing and Proof-Reading Committee. Inspects the exact shapes used to represent the vocabulary.
BBD: BCI Board of Directors



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